

Blacklisted! 411

THE OFFICIAL HACKERS MAGAZINE!

This magazine is dedicated to the curious people who want to know the "inside" technical information regarding computers, BBS's, the telephone, cable and other utility companies and everything else nobody wants to talk about...or doesn't even KNOW about! Are you a hacker? Are you curious? Then you want to read this magazine!

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Uh, not so "Secret" Air Base?



Officially, this base at Groom Lake, Nevada, that you're looking at doesn't even exist! What do YOU think? Obviously there's something there since a Russian spy satellite took this photo in 1988! It sure looks like a whole LOT of "nothing" to us!

This base is said to have been the test facility for the famous U-2 & SR-71 Blackbird spy planes developed by the Lockheed Skunk Works. The F-117 of 1991 Gulf War fame was also flight tested here. Now, even more rumors are coming out that a new aircraft, faster even than the famous SR-71, is NOW being flight tested from this very "non-existent" base.

Just who does the government think they are trying to fool here? There are many persons who have worked at this facility, even though they abide by their security oaths and do not discuss what really goes on there, are willing to admit that such a base does IN FACT exist. They are willing to state, at most, that vehicles beyond what we can imagine are being tested here.

We all have the right to KNOW how our tax money is being spent. If this facility does not exist, then why does the government want to grab another 4000 acres of PUBLIC land to keep people from looking at this non-existent base?!

This is just another fine example of our glorious government stringing us along and hoping we won't ask too many questions. And the sad part about this is...most people won't ask!

If you're the kind person that WOULD ask, "Hey, wait a minute. Just, what the heck is going on here?!" then you've found the magazine you're in need of! We ask that very question and we have an added "edge".. We WRITE about it!

What is he doing in there?

How many times have you been driving down the road and seen a telephone company van and some guy (or gal) has their head stuck inside a big metal box on the side of the road that has bunches of wires dangling out of it? Often this is nothing more than a simple traffic annoyance to most of us. But for people like us, it is an opportunity to learn about the phone company. Ok, so what is he doing? The telephone technician is doing an integral part of maintaining the telecommunication systems that all of us depend on every day of our lives. That man right there is the one you need to thank for fixing those annoying intermittent noise problems you may have complained about at one time or another. He is also possibly the same man who collects those slugs you dropped in the pay phone just around the corner! Regardless of WHO he is, without him, *you don't have no phone*. So, the next time you see one of these guys blocking your lane, don't curse him. Instead, pull up behind his van and thank him for a job well done! Hahaha....you just might make his day. Who knows, he might give you a few tips on the latest phone gossip or maybe hook an extra line up for free. It's always a good idea to have a friend who works for the telephone company; they're an invaluable asset to your "tool box" of helping hands. We discuss such tools inside the pages of this fine magazine. To become better advised, read on!



Inside this issue:

Southern California BBS listing, Product Review, Complete AT Command listing, Catalog of the Cults!, Cable News, Clipper Chip Dead?, Amiga or BUST, UFO Cover-ups?, BBS Showcase, Feedback, E-Mail, Teleconference, Hackers Forum, The Amendments to the Constitution of the United States of America! and MORE!

Blacklisted! 411

On the Cover:

What you're looking at is a picture of a military facility which our government denies the existence of. This particular photograph was taken by a Russian satellite on July 17th, 1988. It's a REAL military base, located near a vast, dry lake bed called Groom Lake, in the remote Emigrant Valley between jagged mountain ranges situated about 120 miles northwest of Las Vegas, Nevada. This place has many nicknames: Dreamland, The Ranch, The Box, Watertown Strip, The Pig Farm and Area 51. Isn't it truly incredible how our government, when caught, will lie and deny to the utter end? Well, we're not surprised at their response, really. There you have it right in front of you. It's a military base, located at Groom Lake, Nevada. What is unusual about this base is the ungodly size of the runway. It clicks in at 27,000 feet long. Wow! There's only one explanation for this. They're testing some pretty FAST aircraft there. The alleged Aurora is the aircraft believed to be the latest test-craft. Others believe it's a place where our military is flight testing recovered UFO craft and trying to recreate the technology. Well, no matter what's going on out there, it is, in fact, going on. The Air Force has decided that it wants to shut down the current vantage points of the "watchers" keeping an eye on Groom Lake from adjacent public lands administered by the federal Bureau of Land Management.

Also on the cover is a photograph of a telephone company technician doing one of his many jobs to help maintain that quality of our telecommunication systems that we depend on so very much in the electronic age. Such a vast amount of information is transferred over the phone lines, beyond simple voice communication, that the telcos are never short of something to do. If it were not for these workmen to make sure the land lines are up to par, even the much touted "information superhighway" would suffer. Computer networks are very dependant on the ability to transfer data which is very important to the daily function of our society.

In next months issue:

Cellular hacking/phreaking, Social Security Information, Scam "High" Lights, CLIPPER - a joke?, Amiga Update, UFO Thoughts, Letters, The Marketplace, Vending Machines, ATM's, ESS5, Email, Teleconference, Cable News, Red/Blue and Chrome Boxes....and MORE!



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Fasten your seatbelts, boys and girls!

Introduction

This magazine is provided to the individuals out there who are interested in knowing more than they're supposed to, according to the powers that be. We would like to basically tell the powers, more or less, we are ALL entitled to, and have a right to free information. We are here to tell the people what they want to know. You wanted us, here we are.

So, what exactly IS wrong with knowing? Knowledge apparently frightens some. But, for most, knowledge is a necessity. Why should we all be deprived of knowledge simply because a select few see knowledge as a threat.

What we talk about in our magazine are subjects that most consider controversial and/or "harmful", for lack of a better term. We write on topics of interest to a large community of people who find that the information within our pages is helpful to them in making educated decisions on things that most people take for granted. We touch on the world around you from a perspective foreign to most. Our purpose is to EDUCATE the masses who want to know the truth....the "real" truth. We do not promote anything illegal nor do we take responsibility for the use of the information we provide to be used in any action that is illegal or detrimental in any way.

So what we have here, is a failure to communicate. (haha) Actually, that's not so far from the truth. There

are many things in the world around us which we are oblivious to simply because someone or some entity deems it necessary that we are not in the "need-to-know." What this someone or entity fails to recognize is the fact that we're not sheep to be led around, never asking or caring, but in reality free individuals capable of leading our own lives and creating our own futures. What WE need to do is communicate this to the people. Knowledge is power. Power is freedom. Freedom is happiness. Happiness is knowing you can sleep at night without fear of someone else controlling your life.....that and knowing there's milk in the fridge for morning. "Got Milk?"

If you want to know it, we're here to tell you about it! We're here for YOU. We enjoy hearing from our readers. We like receiving mail with your comments and questions concerning the topics we cover. We are also more likely to add topics of interest upon request than most magazine. We normally cover topics relating to government cover-ups, UFO interests, hacking, computers, telecommunications, power, water, electronics, radio communications, our rights as free individuals in a supposedly free nation, bbs's, paranormal activities, psychic phenomenon, the right to free information, truth, justice and the American way (whatever it has become)....we've even decided to include a section on cults in this issue. You thought you read it all before? Well, guess what? You haven't read this issue yet!

Letter from the Editor

Hello everyone. This month, we've got a lot of goodies packed in our magazine. Some of you asked for a AT command listing because you've been having some problems finding out what they are and what they do, etc. Well, we've got them in this month's issue. They start on page 30. Also, in this issue, we've included a list of BBS's in the Southern California area. I'm sure many of you will find this of use. If you'd like to have your BBS listed in a future issue of our magazine, please send us some information about it, a couple of pictures and a short letter explaining the "history" of your system. We'll be sure to add it to the list, and possibly do a "BBS Spotlight" on it, as well.

We have a great deal of plans for this magazine, and we (I) would just love to hear from all of you! If you'd like to contribute an article for print, let us know what we're doing right - or wrong, place an advertisement, start up a subscription, get your local magazine stand hooked up with our magazine, etc... don't hesitate to call us, fax us or write us a letter! We're waiting to hear from ya!

In this issue, we've added a small "Catalog of the Cults" after receiving several requests for something along the same lines. I hope this will satisfy the ones who asked for it. I personally added a reprint of the Amendments to the Constitution of the United States of America. I figured if you didn't already know what

they were, maybe you'd like to know once and for all. Never the less, you'll find them, starting on page 38.

I would like to address product reviews for a moment while I have your attention. We have been asked to review many, MANY items, but we are running into some problems with cooperation among the manufacturers... Imagine that! They don't appear to be overly willing to provide a sample of their products for review, nor do they appear to even want a review at all. This is nothing more than dumb! I would think they'd love to have their products reviewed. Guess they either don't have faith in their products, they don't want to make any additional sales created with a review, or they just hate us. Who knows? Anyway, getting to the point. We've had to resort to purchasing equipment/software/books for review. This is a little expensive, but nothing to worry about. If YOU would like a product reviewed, might you consider a few things? Possibly donating the product to be reviewed by us, purchasing the product yourself and writing up a review for us or sending willing manufacturers our way so we can give them an unbiased review of their product. Any help on your part in this matter is greatly appreciated.

We have a great issue this month! Enjoy it and spread our magazine around! That's all until next time.

Zachary Blackstone - The Editor

Blacklisted! 411

Feedback!

Dear Blacklisted! 411,

You guys are doing a GREAT job over there! I totally love your magazine! When I found the first issue of your magazine at my local hangout, I was amazed at all the information I had in my hands. I purchased it immediately! I've noticed, also, that it's rather rare finding an issue around here, can you do something about that? You people cram a lot of info in this small publication - KEEP DOING THAT! Thanks for a good mag!

HypnoWarrior - Phoenix, AZ

Dear Blacklisted! 411,

I would like to congratulate you on producing a fine magazine. The first issue was very impressive and I hope to see more of a good thing. I like the way you cover so many topics of interest and get right down to the nitty-gritty and overload the readers with pure information. Tons of numbers of all sorts - I REALLY like that part! Keep up the good work!

SilverStar - San Diego, CA

Dear Blacklisted! 411,

Where DO you get all the information you provide us with?! You've got me hooked! Don't let me down, keep this magazine alive! You should add a section dealing with some sort of biography on important (or not so important) people in the computer, hacking, phreaking, etc. areas. I believe it would fit very nicely within the pages of your wonderful creation. Catch ya on the flip!

ShockFTP - Las Vegas, NV

Dear Blacklisted! 411,

First, I would like to say how much I enjoyed your first issue of "Blacklisted! 411" It was very entertaining and informative. The abundance of "raw" information fired up my tastebuds, alright! Ok, I imagine from the title, and this is just a guess, that what you're trying to say is (more or less) "This is the information nobody else wants you to know." Blacklisted, meaning: Not wanting you to see or hear and 411, meaning: Information (cute). I like the whole feeling of your magazine. Hope to see you around for years to come.

Uncle Wyle - Spokane, WA

Dear Blacklisted! 411,

WOW!! Absolutely Incredible! You dudes got it together! Love your zine! Rock and Roll, man! Don't let this one die. You need to touch on Cults in a future issue. Thanks!

DiPheD - Orange Jungle, KP (wherever that is..?)

Dear Blacklisted! 411,

Your magazine is pretty good. However, you need to do something with the front cover. It looks good, don't get me wrong. It's not very attention getting. Try doing something in color, if at all possible. I understand everything you'd ever need to know about printing, etc.. It wouldn't cost you very much to have one color print on the front page to grab some more eyes! Other than that one thing, I love this magazine!

ColorWatch - Vista, CA

Dear Blacklisted! 411,

Hey, guys...This magazine is rad! A friend of mine brought an issue to school with him and I managed to get ahold on it. (and I'm not intending on giving it back until I have my own copy of this issue - hahaha) Anyway, I just wanted to tell you how stunned I was when I read your magazine for the first time. In fact, I am still a little dazed because of it. There's so much to read and to look at and to think about, etc. I like it! Send more issues out this way, it's hard to find.

Crazy Kid - Oceanside, CA

Dear Blacklisted! 411,

I like your magazine. It has a lot of information in it. Even though I can't use all the information right now, I'm gonna keep these mags for future reference...I'm sure it'll come in

handy... like they say, "knowledge is power!" And I like POWER! I like how you poked that UFO section in your magazine... Some things I'd like to see are: Articles on the supernatural and psychic phenomenon, maybe some info on cellular phones, some info on frequencies and non published phone numbers.

Papa Bell - Placentia, CA

Dear Blacklisted! 411,

It's cool! Cool section on hacking, man!

Z-dude - Los Angeles, CA

Dear Blacklisted! 411,

So, why didn't you guys start up this magazine a long time ago? This is just what I have been waiting for! Thanks for a COOL magazine, guys.

Incinerator - Irvine, CA

Dear Blacklisted! 411,

Hey, I really like the "Code of the Month" section. Those codes really have me stumped! How about having a games section? What I mean is, a section where you would include mind games, brain teasers, logic puzzles, etc.. You know, things that'll really make you THINK...Just a thought for you.

Mind Slayer - Bakersfield, CA

Dear Blacklisted! 411,

I really like your magazine. I don't see your magazine around here very much, though. Can you have a talk with the local bookstores in my area and see if they'll carry your magazine? I'd hate missing an issue! Thanks.

Krystal Meth - San Francisco, CA

Dear Blacklisted! 411,

You NEED to cover topics on Cellular Hacking! I've been very interested in this area for a while now and I'd like to see some articles from you guys concerning this topic. Type at ya laters!

Cellular Pickle - National City, CA

Dear Blacklisted! 411,

In response to your first issue, I'd like to congratulate you on doing an excellent job! I hope to see your magazine grow and continue to sell in the computer stores in my area. Thanks for the great and important reading material and keep up the good work.

Borg Hunter - Unknown

Dear Blacklisted! 411,

I am writing in regards to your first issue. I am very impressed with your magazine, the content and the way it has been presented. You've got your act together. I would like to offer my assistance if you require any legal counsel in the future.

A friend - City/State Withheld by Request

Dear Blacklisted! 411,

I just picked up your September 1994 issue and I must commend you on a first class job well done! I happened along your magazine quite accidentally and I am very please that I did come across it when I did. I've, since then, taken your magazine to the monthly hacker meeting and displayed it to many of the people there. They are interested in getting ahold of this magazine as well. However, the computer store in our area is sold out! HELP!

Your magazine is the only magazine I look forward to reading each month, now. It has got to be the best thing to happen to the H/P/I/C community. Thanks again!

Digital Chism - Santa Barbara

Dear Blacklisted! 411,

The three blind pigs have landed in your tomato soup.

Mystery Writer - Unknown

E-Mail

To the writer of the UFO article in the September 1994 issue. I thought your information was very well laid out and presented to the readers. It was also informative and objective - something I see less and less of nowadays. I just wanted to tell you that I enjoyed your article. Hope to see more of them in the future.

Phantom Phrackit - Los Angeles, CA

This is addressed to the writer of the Social Security Article. Your information is right on the nail, dude! I even learned a little about SS that I had no idea of. Thanks for a cool article, dude!

Spy - Fountain Valley, CA

I'd like to let the person who wrote the article on the UFO's in last months article know how much I liked it! There was a lot of ideas in that article that made me think a lot. I never knew about the stuff you mentioned concerning area 51. Thanks a lot!

Garrett - Cerritos, CA

To the person who wrote about COCOTS. Your information was ok, for the most part. You missed several points of interest, concerning 800 free calling and tenex billing free calling. I'd like to present you with the information I have on this and maybe you can write another article sometime in a new issue.

Red Caller - Vista, CA

We received the information you sent and forwarded it to the writer of the article you're referring to.

Blacklisted! 411 Editors

E-Mail is here for YOU!

*Want to contact a
person who has written an article?*

Write to them HERE!

*They're waiting to hear from
YOU!*

Blacklisted! 411 E-Mail

P.O. Box 2506

Cypress, Ca 90630

10XXX

or

101XXXX

Carrier access codes will be changing soon! Yes, that's right! Just as soon as you're used to the 10XXX long distance carrier access system, they decide to go with an all new format! It's all going to change! It's not really much of a problem, but the new way of accessing the long distance carriers will be extremely tedious! Take a look at this. The new format will be in the form of 101XXXX. Starting sometime in 1995 we'll be switched over to this new format, so get ready for it! The new formatted codes for the long distance carriers are unknown at this time, but the accessing will be something like this: 101XXXX-0XXX-XXX-XXXX. Such as (assuming MCI is 1010222) 1010222-1310-596-4673. Isn't that ridiculous? We think so!

Want some current tenex codes to play with for now?

10222 MCI
10223 Cable & Wireless
10288 AT&T
10333 Sprint
10444 Allnet
10488 Metromedia
10555 Witel
10732 AT&T private test network

Tenex codes are used in the form:

Tenex+ACN

An example would be:

10333-1310-596-4673

Here, we're using Sprint to call our voice line

These are one of the most misunderstood features available to you as a telephone subscriber. What it does is allow you to use a long distance carrier other than the one you are currently hooked up with to make a phone call. This is good for several reasons. Let's say your primary carrier assigned to your account is Carrier A, and you can get lower rates through Carrier B, simply use Carrier B's tenex code to access them and make the call. You are billed the lowest rate, if you're billed at all. Here we touch on another reason. Sometimes when using a tenex, it takes months before you're billed... sometimes you may not even be billed! The reason for this is because some obscure tenex carriers that do not normally deal with anything other than COCOTS must pay your assigned carrier a fee to bill you for your call. This can take quite a long time! Also, PBX's and some COCOTS don't screen outgoing calls, using the Tenex+ACN method of dialing. Voila! Free Calling A-la-carte... heh

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(310)596-4673

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Blacklisted! 411 Advertising

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Cypress, Ca 90630

Teleconference

Hey, does anyone want to trade information on H/P/A/V/C, etc., here in open conference? I like the idea of this thing. It could be cool if enough of us get involved. How much space will you devote to this area, Blacklisted! 411?

DV - Redondo Beach, CA

You've got the idea, DV. We'll devote as much space as necessary, so long as we can spare it. Depending on how well this works out, we might put a cap on maybe 3 pages max. Who knows?

Blacklisted! 411 Editors

I'm interested in this area of the magazine. You guys are coming up with some cool stuff! Ok, I'd like to ask anyone out there if they've got access to some used GTE/PacBell Payphones for sell or trade? I am interested in learning all I can about them! Also, anyone have any keys for them? (of course, you know I'm JOKING, right? ha-ha)

BP - Cypress, CA

We're not too sure about the legalities of asking for or owning a set of phone company keys, but it sure sounds like fun to us! Make a copy for us, while you're at it. We won't use them. We swear it! haha.

Blacklisted! 411 Editors

I wanted to tell that guy who asked about the Proctor Test Set that I've sent Blacklisted a listing of the whole mess. I asked them if they'd print it in a future issue. Talk with them.

MH - San Diego, CA

You're damn right we got them and we'll print them up in the next exciting issue of this radical magazine! Whoooooey! Anyone else have anything cool in the way of INFORMATION to donate for print? Go for it!

Blacklisted! 411 Editors

I heard that we can talk to each other in this "Teleconference" area of the magazine? How does that work, anyway?

JA - Phoenix, AZ

Hey guy, this is how it works! So, tell us, what do you think about it, so far? We think it's doing fine. However, SOME of you gotta cut down on the ^%\$&#%^\$#^%#, so we can print it.

Blacklisted! 411 Editors

I NEED information on payphones! Particularly GTE and Pacific Bell's little babies! I've watched some of their guys work on them recently and security on them looks very minimal. Anyone got the scoop on them? Tell me! Thanks.

JB - Irvine, CA

We just heard from you, didn't we? Oh, that was someone in Cypress. Looks like you guys are aching to crack those puppies open like a Las Vegas slot, eh? Well, if anyone would like to donate any info on the inner workings of our Telco's money-boxes, we're listening.

Blacklisted! 411 Editors

First, you're doing a super job over there! Second, I want some info on chrome boxes? You know, the thing that police and emergency vehicles use to make the light turn green! That would be cool! Anyone?

Unknown - Huntington Beach, CA

We've got a little info on that one, ourselves. We'll put it in the next issue, ok? I think we can manage to fit it in there somewhere. In fact, we'll tell you a little about red and blue boxes, while we're at it.

Blacklisted! 411 Editors

To the guy who wanted ESS5 Documentation. Sent the info to our guys here at Blacklisted! 411. I'm sure they'll be happy to print them in a new issue.

PH - Bellflower, CA

Yup, we got the info in with that last message. We'll have them in the next issue, I believe! Wow, we have some work cut out for us. We're glad everyone understands the idea behind this section of the magazine. Keep up the good work, everyone...and thanks! See ya next issue!

Blacklisted! 411 Editors

Teleconference is NEW!

and made just for our readers!

Contact other readers in an "open" forum to be read by all (and replied to)

Send all Teleconference material to:

Blacklisted! 411 Teleconference

P.O. Box 2506

Cypress, Ca 90630

Questions and Answers

Dear 411,

I live in the 517 area code and have been dialing around looking for interesting phone numbers. One number that I dialed, 646-9994, did something really weird that I've never run across before. The line went instantly dead. I wasn't even able to hear the DTMF tones from my phone. The line returned to normal operation after about 15 seconds. Any idea why this happens? Also, if anyone is interested, the ANAC number for the 517 area code is 2002002020.

Fone Squid

That number is in all likelihood a telephone company test number. I bet you lose line voltage when you dial that one. Also, phone numbers ending with 00xx or 99xx are most likely test numbers of some sort and can be expected to do just about anything.

Dear 411,

I recently got ahold of an ANI number that works for my area and have been having a blast with it. It's also saved my butt a few times but I won't go into that. My question is, why doesn't the ANI number seem to work for my cellular phone? When I call it I do get a number, but not my cell phones number. If I call the number I was given I get the recorded message "You have reached a number that has been disconnected or is no longer in service." What gives?

KK

Due to the way cell phones work, being that they are routed through a number that is local to where you are, that number actually doesn't exist. In fact, this is a little known bit of information that the phone companies probably wouldn't want you to know. Also, you will find that you get the same result if you call from an airplane or train.

Dear 411,

I've been into computers and modeming for several years now and I've recently been fooling around with this little transmitter I made from the plans in a magazine. What I was wondering was if it is possible to "modem" using radio transmitters and receivers without owning a satellite.

George C.

Transmission of data over radio waves is very possible. HAM radio operators have done this for many years. They use a TNC (Terminal Node Controller). This would be the much simpler than trying to get normal modems to talk over a radio.

Dear 411,

I've been searching for some interesting numbers in the Los Angeles area and have found that by dialing any prefix followed by 0002 I get what sounds like a test tone. But the real clincher came when I dialed a prefix followed by 1110. I got what sounded like a fax or modem. I then had my computer dial the number and were able to connect as high as 1200 baud, yet all I get is garbage. When I connect at 300

baud I get disconnected. I'd like to know what it is that I may be connecting to. It isn't a fax and doesn't act like a BBS.

Marvin the Martian

What you found at 0002 is indeed a test tone, at 1004 Hz to be exact. As for the carrier tones at 1110, maybe some of our readers in the Los Angeles area might be able to help out.

Dear 411,

If anyone is interested, some ANAC numbers I've found in the 310 area code are 114, 1223, 61056, and 760. Just thought I'd share the loot a bit.

Evil Bit

Dear 411,

I recently found a couple of interesting ways to get some free premium cable. Whenever they have their "free promotions" simply find out when the promotion ends. Then make sure your cable box is unplugged or the coax disconnected that night so your box won't get the message to shut off that particular channel. Another way might be to order the premium service for a short term. Then simply cancel the service after a day or two, making sure the box is "out of the loop."

Hung Dater Bit

That might work for a day or two. Most cable companies poll their boxes regularly, so at best you might be extending the "freebies." However, since they also do their checking late at night or in the early morning you could simply make it a ritual to keep your converter unplugged or disconnected at night. Funny to think that it could be so easy, isn't it?

Dear 411,

If anyone is interested in finding out if their phone is being tapped simply needs to dial 312-666-9996. A short beep means you have a tap. A long beep tells you everything is ok.

Paranoid

We hate to break your bubble but that number has been floating around for quite some time, and simply put, it's a bunch of hogwash. It's simply nothing more than a telephone company test line.

Dear 411,

I've been hearing so many sides as to whether it is legal or illegal to listen in on cellular and/or cordless phone frequencies. What's the truth?

Particle Zero

The law states it is illegal to make a wiretap on a phone. Since listening in on the airwaves is not a wiretap it is legal, for cordless phones only. A special law was passed stating that it is illegal to listen to cellular phone conversations over the air. Hope that settles the argument.

Dear 411,

I've got a nice solution for screening phone calls. If you have an answering machine, all you need to do is record the message in your area that gives you the wrong number message. Then only tell who you want that it is fake and they'll get through to leave a message. Others will just hang up. This would also be useful for distracting or confusing those who try to call you back using '69 if you've been doing some number scanning. Some of my friends have also said that when they called me from a COCOT that they got their money back because of the tones at the beginning of the recording.

Cousin Jed

Must be some pretty cheap COCOTs to let themselves be fooled so easily. Or you could forward your phone line to another number and that should make it a little harder for them to track you down.

Dear 411,

I and several acquaintances have had their cars stolen. But

just recently my brother bought a new Camaro and was asked if he wanted "Lojack" installed. It's a hidden transponder that if the car is stolen all he has to do is report it to the police and give them his car has Lojack. The police then send out a signal that activates the unit, which sends out a homing beacon that the police can track in specially equipped patrol cars. Obviously this system works via radio wave. What I'd like to know more about how the system works and how it can be defeated (for purely educational purposes only.)

Quorton Bleaux

Maybe some of our readers in the car-jacking capitol of the world Los Angeles can help out. Any takers?

Dear 411,

I have a Digicom 9600 Scout modem. They also sell a 14.4k model or your can upgrade the 9600 for about fifty clams. The interesting thing is that I found an undocumented command that allows the 9600 model to connect at 14.4! It is AT*Z1/AT*Z0. It works for me at least as my CPS rate jumped by at least 500.

Steve

Sounds to us like Digicom has a fine scam!

Dear 411,

I was wondering if you or any of your readers may have some information about various ways traffic signals can be switched. I've seen the strobes on the local emergency vehicles and know that is one way. It's also easy to do yourself. I've even tried flashing my headlights and had impressive results! I have also heard that there are some systems that use infrared signals. Does anyone know anything about this system and how it can be hacked?

777

Well, we have heard of those infrared systems also. We have also heard that they can be hacked using a universal remote. Just wait around an intersection near a fire station. When the trucks come out put the remote in "learn" mode. If the remote is powerful enough it should trigger the traffic lights. If it's not powerful enough I'm sure it wouldn't be too hard to build a simple amplifier using multiple or more powerful infrared LEDs.

Dear 411,

I'm new at hacking and I was wondering if you guys could help me out a bit. I'm really interested in cordless phones. I know that most use codes and have an input and output from the base. I know that some use the 49MHz range. And exactly how legal is it to listen to those conversations?

War Dog

Since the law only states that it is illegal to perform a wire tap, and listening to a transmitted phone conversation is not a wire tap, then it is perfectly legal to listen to cordless phone frequencies. Only really old cordless phones use the 49 MHz range, so those are pretty easy to listen to. New models transmit from the base at 46.61 to 46.97MHz and receive at 49.67 to 49.99MHz. There are ten channels in each of the ranges. These models use a digital security code, some having thousands, while others use "rolling security codes" that change with every call. The very latest models use the 902 to 928MHz range, some of which now digitally encrypt the audio.

Dear 411,

I live in north Orange County, CA, and have recently built my first Red Box. I am very proud of my achievement and have lots of success with it, except with Pac Bell phones. Is there some difference in the way Pac Bell generates their tones, making my pride-and-joy useless?

Anon.

There are basically two types of calls. One being intra-BOC (non local calls at no extra charge) and those handled by a

Blacklisted! 411

long distance carrier. They are two different systems so your box may work on one, but not the other.

Dear 411,

I hope you don't think I'm stupid for asking this, but I don't have anyplace I feel I can turn for an answer. I've been doing a lot of long distance BBSing and in order to avoid the long distance charges I've been using borrowed calling card numbers. I had mentioned that to someone and they said to stop because it's only a matter of time before I get caught. Nothing like Telenet or Tymnet is local to me so I don't know what to do. What are the chances of getting caught?

Taco Smell

Rule number one: the only stupid question is the one that goes unasked. Rule number two: don't use calling card numbers because the number you are calling from is printed on the bill! Our suggestion would be to find a local school system that has Internet access. That would be your safest bet

Dear 411,

I thought I would share an easy way I have found to defeat callback verification when creating an account on a BBS. When the board sends you the message that it is hanging up to call you back, simply pick up your phone (assuming you have one on your data line) and hang up the modem. When the board dials you back just type ATA and hang up the phone. It's worked for me several times.

Capt. Pickerd

Could it be so simple? As long as the board does not get an error from its modem saying there is no dial tone you should be fine. Pretty stupid BBS software and/or sysop.

Dear 411,

I've been using computers for about ten years now and have been using IBM compatible stuff for about three. I am also an amateur musician and have a very capable synthesizer. However, I am fairly new to the world of phreaking and every little tid-bit of information is like candy to me. My problem is this. I want to make a Red Box tape but from all the information I've acquired over the net I am confused as to the exact tone durations. I've got philes that say 33ms on/33ms off, 66ms on/66ms off, and even information that indicates stuff as high as 90ms. I figured if anybody knew the answer you guys would. What is the correct timing?

DTMF Deaf

A quarter is 30-35ms on, 30-35ms off, repeated five times. A dime is approximately 60ms on and off repeated twice. Look in future issues for various plans to create these tones.

Dear 411,

The Los Angeles Police Department has these really nice computer terminals in their cars for communications and data transfer of criminal/suspect info. I know that these operate in the 900 MHz range but as yet have been unable to decode the data format. Can you guys help?

MetallicAholix

Hmmmm, that'd be a great one to crack considering all the flap in recent years about officers exchanging racist messages. If any of our Los Angeles area readers can help us out it would be a great way for a third party to keep tabs on those who are here "To protect and serve."

Dear 411,

Here's a way to kill multiple birds with one stone. You're doing some number scanning but your area offers Call Return. Well, your area may also offer call forwarding. Before you start on the war path simply forward your number to someplace else, like a payphone. Now, if there happens to be someone you don't like you can have your calls forwarded to them for some late night annoyance. If they try to use Call Return to see who it is they will be calling themselves!!! And the nice thing is that the people who happen to be in the scan

are the ones doing all the work for you, you are simply looking for interesting numbers, something you enjoy!

Phantom Phemale

Hey, we like that idea. Only thing is though, is that if someone tries Call Back to your number while your line is still busy going about its business they may simply get a reorder or may not work at all.

Dear 411,

The other day at school a friend of mine was talking about a "Gold Box." He made it sound like this device was used in some fashion to divert calls. I would like to know if, in fact, this is what a Gold Box is used for. And, if so, can you give me a general idea of how it works and how I can make or obtain one?

Dookie

Talk about a blast to the past! We haven't played with Gold Boxes in quite some time, ever since phone companies have offered call forwarding. OK, so you know how a Gold Box works do ya? Well, in the most primitive terms, a Gold Box is a device which, when installed correctly, diverts incoming calls from one incoming line to another outgoing line. The original Gold Box was very useful for individuals who were looking to make long distance calls for free (gee, that's an original idea) without having to deal with the hassles involved with "phreaking" and the FBI. Some of these devices used a power source other than the voltage on the phone line itself. Of course, the ones that did use the line voltage were capable of delivering the required results, it's been our experience that the "battery operated" versions of these devices were the most reliable in getting calls through. Some of the earliest Gold Boxes, when installed and called, would simply pick up the line and give you a dial tone from the second phone line. Later on, people started getting a little creative, adding tone decoders and timers so as to make it a little more secure when using this method of defrauding the phone company. In fact, Radio Crap at one time manufactured (hahaha) a self contained call forwarding unit that became quite popular among those of us who engaged in such activities (us? naw...) Eventually someone caught on to the misuse of Radio Shacks version of the Gold Box and cut distribution of them. That's too bad, we kinda liked them. Since the technology is already out there and you can purchase an already made "Gold Box" (call forwarding unit) at your local swap meet or other source of electronic artifacts, we're not going to include any schematics in this issue. We've seen many different variations of the same device time and time again. So, if any of the readers out there have a stable, working version of this once popular gadget, send in the schematic with some construction and usage notes and we'll gladly print it in a future issue and give the author credit!

Dear 411,

My cable company where I live is Paragon and I was wondering how they encode and decode their premium channels. I have heard they used some sort of special filters and have also heard about something called "SSAVI." What is SSAVI and how do these "filters" work?

Ulysses

First of all, the filters you are referring to are a completely different method of keeping subscribers from viewing certain channels than SSAVI. These filters are simply "notch" filters that block a specific channel and are placed in-line on the cable, at the access port which is usually located either on the utility pole or in a special cable access box on the building or in an underground enclosure. The filters are approximately 1-1/2" to 2" in length, cylindrical, and have a male F-type connector on one end and a female F-type connector on the other end. Paragon currently uses this type of filter to block HBO and Showtime. Sometimes these filters are color keyed to identify which channel they block. Since the removal of BOTH of these filters allows the subscriber to view HBO and Showtime, it really doesn't matter if you can identify them or not. Now, an interesting variation of the filtering system used

by Paragon is found when dealing with channel 21 (The Disney Channel). With this channel, to ENABLE viewing, one must have a filter INSTALLED, as opposed to removed. The reason for this is an interference signal is transmitted with channel 21 and normally this causes the channel to appear as if you are viewing it from ten million miles away and there is an annoying beeping tone present. The installation of the proper filter will remove the interference signal and restore normal viewing. Note, if you lose one of these filters Paragon levies a \$150 fee for the replacement of the device (since they suspect you stole it why not charge as much as they can.)

Now for SSAVI. Oh boy...SSAVI stands for Sync Suppressed Active Video Inversion. This might sound like complete gibberish but actually it's quite detailed in telling you exactly what it does. Simply put, the transmitted signal (the scrambled channel that you are watching) has the horizontal sync signal suppressed or removed so your television does not know when to start drawing each line on your screen. That's why you can sometimes see a distorted picture that is constantly shifting from side to side on the screen. Actually it's very easy to replace the sync. The hard part comes with the active video inversion. Basically, all that happens is that the video signal is actively inverted. You might say "Yeah, so what does that mean?" Well this is what it means. The picture that you're looking at is randomly switched so as to make it appear as if you are looking at a "negative" (reversed video) image. This portion of the scrambling method is what makes this very difficult to descramble. In fact, so hard that some of the older equipment have trouble correcting for the randomness of the inversion. The time frame in which the equipment has to determine if the video is inverted, and to correct for this is very, very, VERY small. THIS is why the equipment is prone to intermittent failure. It is not uncommon for one of these descrambling units to completely fail. If the decoder cannot detect the change in the signal fast enough you will undoubtedly see a split second of inverted video, which can be quite annoying. OK, that's pretty much it. If you want to receive all the channels, remove two filters, add one filter, and descramble the rest. Voila! Now you have even more channels of nothing to choose from for your late night entertainment. If you're worried about descrambling, don't worry, we weren't about to leave you in the dust on this one. What you need is a Zenith SSAVI descrambler or a turn-on kit for those of you who want to "overhaul" your existing Zenith addressable unit. The descramblers go for about \$150, and the turn-on kits will run you nearly \$20. You can find advertisements for the necessary equipment in the backs of various electronics magazines. One last thing, all of you, of course, realize that this knowledge is presented for educational purposes only and that the use of this knowledge and/or such equipment described above to defraud the cable companies (hahaha....naw!) is highly illegal and not recommended (by the authorities....Hey! we're not THE authorities.)

Dear 411,

I've got lots and lots of computer and other electronic equipment that is almost never turned off. Consequently I have some pretty high electric bills. I was looking at the electric meter and was wondering if there was a way I could adjust it in my favor. Is there a way I can tap into the wires, bypassing the meter all together? Is this an easy task and how dangerous is it? I mean, I don't feel like becoming a fried green tomato.

Killer Attack Bunny

Let's address the danger factor first. If you are asking about shock hazard here, that is somewhat minimal, if you use a little common sense (turn off the circuit breaker first). If you mean dangerous as in getting in deep do-do then we're talking about either a few years in the concentration camp, a hefty fine, OR both, considering this is utility fraud. But, as long as no one sees you doing it, don't worry about it. Remember, if no one saw YOU do it how can they prove YOU did it? (don't leave any fingerprints, hahaha) There are several ways to achieve what you are looking for. For now, we'll only talk about a couple of them. Surprisingly the two

most common methods of acquiring free electricity are as follows: The first method is bypassing. How this is done is quite simple. The person or persons who want the electricity tap into the power lines running to the residence (or business) at a point before the meter. Remember now, the only way the power company can determine how much electricity is being used in any given location is by reading the power meter. The power meters job is to record how much power is consumed THROUGH it in any given time frame. If someone were to tap the electricity at a point before the meter there is no way the meter can record this. The only reason suspicion would arise is if the "tapping job" was done very poorly and wires were dangling around all over the place in free view of the poor sucker who has to go around to all these meters and write down how much you used. So, if you are going to use the bypass method, it is suggested that it be done INSIDE of the power box behind the panel. This would require removal of the meter itself to allow access behind the panel. The meter has four connections on it. Two for the input, and two for the output. The input comes directly from the power lines. The output goes directly to the main breaker which goes to the individual breakers and then to the wall outlets themselves. The input terminals are the uppermost connectors on the backside of the power meter and the output terminals are the lowermost connectors. As you can see, this is really simple. However, you would not want to bypass the meter completely as the meter would then register no electric usage, telling the electric company that something is amiss. Then again, we know of people who have done this and gotten away with it, receiving a bill for only two dollars. It's quite humorous when you think about it. This leads us to the second of the two most popular methods. This one's called "meter reversal." This is done exactly the way the name implies. The meter is removed, turned upside down, and replaced. The meter will then run backwards subsequently making the amount of power usage appearing to have decreased. Almost as if you gave the electricity to the utility company OR making it look as if you used so damn much electricity that the meter tripped it's maximum mileage in less than a month! Now, to avoid this problem, the meter reversal is constantly done every half month to cancel any usage in the previous half month, preventing any suspicion arising from a shinning odometer (hahaha) or the meter-reader from seeing an upside down meter when they come calling. This is much like setting back the odometer on your car before you sell it in order to get more money for it. Do you get it? Let's go over it again. At the beginning of the month, the meter is reversed. Time passes as you use lots and lots of electricity. Two or three weeks pass and the meter is put back in its original placement (un-reversed) to allow the meter to run normally again. Hopefully, if everything was planned correctly, by the time the meter reader shows up the number appearing on the meter is little more than it was at the beginning of the month. If not, some hot shot at the electric company (or their computers) are going to notice the discrepancy. So, caution is advised. Keep a note of the meter reading at all times. OK, so that's pretty much it for power snatching for now.

Dear 411,

I'm one of your readers in California and I was wondering if the phone companies were going to have any new area codes for 1995. It seems like they add more and more areas each year. It's almost impossible to keep track of who is in what area code any more.

Hypothesis

Guess what? You're in luck! You're going to be the proud owner of a new area code. Area code 562 to be exact. Starting January 1st, area codes will be indistinguishable from exchanges. At last, we'll have area codes with a middle digit other than a 0 or 1. This will make it possible to have millions and millions of possible area codes. For the rest of you we have some more area codes to be introduced in 1995: 281 - Texas, 334 - Alabama, 360 - Washington, 423 - Tennessee, 456 - International Inbound, 500 - Personal Communications Services, 520 - Arizona, 540 - Virginia, 562 - California, 630 - Illinois, 954 - Florida and 970 - Colorado. As you can see, we

have lots of new area codes to play with. If you'll notice the 500 - Personal Communication Services... it's a new service called "True Connections" offered by AT&T and has better features, like Call Scheduling, Call Sequencing, and Voice Mail. According to Bellcore, exchanges in the new 500 SAC (Special Area Code) for personal communication services are being assigned so rapidly, a new area code will most likely be necessary. AT&T is currently offering three new exchanges: 346, 367, and 677.

Dear 411,

First of all, you guys are running a great magazine over there. I like all of the articles and the overall layout of the magazine. I, and many others, would be very interested in passing along information for articles to your magazine. The problem is, most of the information we have is in text file form on our computers and we don't have access to a fax machine nor do we have a printer, so sending it by mail would be difficult. What we're getting at is this. Is there any way we can give you this information over Internet or on any BBS system? It would make it very easy on us in getting this information to you. If there is any way to give you the info in one of these ways, would you supply us with either an Internet address or the numbers of any BBS's we can call to upload the information to.

The Information Society

We don't own a BBS for this express purpose but the system we did a spotlight on this month, TCE Information Systems, has graciously offered to forward such information to us. You may contact us on this system at (310) 493-6402 or if you have a 14.4 modem you can try any one of these four high speed lines: (310) 493-6672, (310) 493-6872, (310) 493-7063, or (310) 493-7183. Leave mail with the following accounts: Zachary Blackstone (user #675) or Daniel Silvercloud (user #636). We don't currently have an Internet address so this is pretty much the only way to get ahold of us via computer terminal.

Dear 411,

I just moved to wonderful Southern California and am really enjoying the weather out here. I recently found an issue of your magazine and really love what it has to offer. But, being addicted to BBS and being new to the area I was wondering if you could give me the numbers to a few BBS's in the area that would further my hacking interests. I know it might be asking a lot of you guys but I figure I might as well try since you seem to cater towards this type of information. Thanx a lot and keep up the good work, buds!

Phonetic Phreak

Dear 411,

I was wondering if you guys might be compiling a list of BBS's in the Los Angeles area. Or maybe you could tell me where I could find such a list.

Archangel

Dear 411,

I was reading the latest issue of your magazine and would like to ask that you include in a future issue a listing of BBS systems in the San Diego area. I think your magazine is pretty cool. I haven't seen anything like it since...since never! If you can do this for me I would appreciate it very much. Rock on!

Spike

Well guys, you're in luck! In this very issue is a list of hundreds of BBS's in the Southern California area. We're sure you will find several boards which will provide you with hours of pleasure. We suggest you try calling the Spotlight BBS of the Month, as it is located in the Southern California area and you will be able to contact us, the editors of this magazine, as well (read the answer to the letter above for information on how to contact us for submitting questions and articles for publishing in Blacklisted! 411). Glad to help all of you out. Happy hunting!

Blacklisted! 411

Dear 411,

I have been hearing a lot of flak lately about us hackers listening in on cordless and cellular phone conversations. I know that according to the current laws you may listen to a cordless phone with a scanner but it is illegal to listen to a cellular phone conversation. I don't really see the difference as neither of them are forms of "wire tapping." This appears to me to be just the tip of the iceberg, though. There are frequencies all over the spectrum that us normal citizens are not allowed to listen in on. Yet we are able to purchase scanners and such that are capable of receiving those frequencies. I was wondering how you guys feel about this.

Radar

Hey, if they don't want someone to receive it, then they shouldn't transmit it where anyone with an antenna can pick it up. It's kinda like a conversation in a cafeteria. If you don't want the person at the table next to you to hear what you are saying, you lower your voice and whisper it or don't say it at all. As far as we are concerned no one can OWN a frequency. How can you own an electromagnetic wave? And even if they say that they do own it how are they gonna keep it from being listened to? If they don't want you, sitting in your back room with your 5000 channel digital scanner with spectrum analyzer, to receive their electromagnetic radiation and listen to or view the data contained on the carrier then they should not transmit it over your property. After all, you found those radio waves on your property and you have the right to do with it as you want.

Dear 411,

Let me start by saying your magazine is a great service to the hacking community. I've been very interested in making myself a Red Box. I know that you can modify a Radio Shack tone dialer to achieve the same results as having an honest to goodness Red Box. I've been having trouble locating both the 6.5536 MHz crystal and a tone dialer from Radio Shack. Can you help me out here?

Kaos

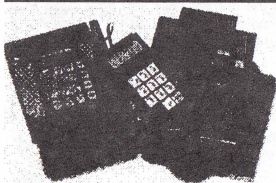
Our sources tell us that Radio Shack has apparently given in to the pressure from either the federal authorities or the phone companies regarding their modifiable tone dialers. Our own experience tells us otherwise. Occasionally we find small quantities of these tone dialers in some obscure Radio Shack from time to time. So, this goes to show that they CAN be found, if you look around hard enough. We're not positive that they have, in fact, been discontinued or not, as we have found some. Maybe you need to try this from a different approach. It's possible that they've simply stocked them away from view and you have to ask a salesperson tactfully for the device you are looking for. Who knows? As for the crystal, there is someone advertising them in the Marketplace of this issue. If you have trouble with that source, you might want to try Fry's Electronics in Fountain Valley, CA, or the store located in Manhattan Beach, CA. They have been an invaluable source of electronic goodies for as long as we can remember. And, one last source would be Digi-Key Corporation. You can reach them at 1-800-344-4539. The part number you are looking for is X415 (this crystal is 6.500 MHz, which will work just fine). According to their catalog specifications, the crystal is an HC-49 case. This guy is a really small crystal and will fit into the tone dialer very nicely. In fact, it's so small, it will probably fit into ANY project.

**Do you have a letter for us?
if so, send your letters and
comments to:**

Blacklisted! 411 Letters

**P.O. Box 2506, Cypress, Ca 90630
or fax them to:
(310)493-3998**

Credit News



CBI SOCIAL SECURITY GUIDE by CBI and The Producer

CBI, as you probably know, is one of the country's largest credit reporting bureaus with nationwide dial-in capability just like TRW, Trans Union, etc.

Providing the name, address, date of birth etc. is generally sufficient to get information on the individual's credit history. Many articles have been published regarding techniques to obtain accounts and passwords to this system, and I will not comment on their validity here. However, this article will merely focus on something called "DTEC", which I believe most readers are not aware of.

"DTEC" is an extremely powerful social security number search tool which resides on CBI systems. When properly accessed, it can provide a wealth of information on any individual solely based upon his or her social security number alone. The number is merely entered, and the information is spewed out. "DTEC" is only available to those CBIers who qualify and subscribe for the service. If you are fortunate enough to be able to access CBI -- and I'll discuss that next -- you may also gain "DTEC" capability too.

Obtaining a CBI Account from CBI

CBI has its New England base located in Connecticut. If you call about obtaining an account from them, you will be happy to learn that the charge is minimal (about \$50 per month); however, there are two catches:

First, you must have a legitimate reason for running credit reports. This is easily solved: just tell them you are a mortgage broker and, if they ask for a copy of your license, do the following: (1) go to some real mortgage broker's office, say you're interested in a loan and ask for a copy

A. DTEC-123-45-6789
M1 of 2 NM-SMITH,DAN CA-123,MAIN,ST,ATL,GA
FA-321, N1AM, ST, ATL, GA SS-123-45-6789 AGE 40
M2 of 2 NM-BRYANT,JIM CA-789,GRAD,ST,MIA,FL
ES-TIRE MAN, TIRE CO. SS-123-45-6789 AGE 50
END OF REPORT CBI AND AFFILIATES - 2/2/87
B. DTEC-123-45-6789

IS SOCIAL SECURITY NUMBER A TYPO ERROR? IF NOT SOCIAL SECURITY NUMBER OUT OF RANGE

M1 of 1 NM-RANGE,SOCIAL CA-111,NORTH,RD,ATL,GA
SS-123-45-6789
END OF REPORT CBI AND AFFILIATES - 2/2/87
C. DTEC-123-45-6789

IS SOCIAL SECURITY NUMBER A TYPO ERROR? IF NOT SOCIAL SECURITY NUMBER REPORTED MISUSED

M1 of 1 NM-SOCIAL,DON CA-2355,SINGLE,RD,ATL,GA
SS-123-45-6789
M2 of 2 NM-SOCIAL,ALICE CA-166,PINES,DR,ATL,GA
SS-123-45-6789
M3 of 3 NM-SOCIAL,DON CA-534,VALLEYS,RD,ATL,GA
SS-123-45-6789
END OF REPORT CBI AND AFFILIATES - 2/2/87

of their license; then (2) go to your nearest copy store, use the necessary White-Out and do the necessary other things to alter this document to fit your fictitious company. CBI will accept a COPY of your broker's license, so don't worry if you wind up printing your pseudo-license on regular 8 1/2 x 11, it won't matter.

As I said, this first part is easily solved. However, CBI's second requirement isn't so easy: they require an ON-SITE INSPECTION of your "office"! Whoa! Many mortgage brokers DO operate out of their home, but of course you don't want to give your real name or address EVER! I guess the only way to get around this is to use one of those "office-for-a-day" places that rent office space, an imitation secretary, etc. This can, of course, be quite costly (\$100's).

Should you actually wind up seeking a direct account from CBI (can't imagine why you'd want to, \$-wise), and should CBI ask to see an ORIGINAL copy of your mortgage broker's license, just tell them your attorney told you it's on file with the Secretary of State. They'll buy it.

You most likely won't want to get a direct account from CBI and will, instead, find yourself perusing amongst the potpourri of offerings on how to hack such accounts and passwords. Sorry, my friends, but so it goes.

Anyway, once you've obtained an account and password somehow, you will want to know how to use "DTEC", which CBI won't tell you about! What I will now include are the complete, unedited texts of two (2) actual CBI user guides on "DTEC". NOTE: These guides were designed for CBI users in South Florida, however the principles are just as applicable here up north. As to references to "Dade" and "Broward" within the text, Dade and Broward are county names in South Florida; for example, Miami is in Dade County and Ft. Lauderdale is in Broward, if you didn't know. Now, here are the unedited "DTEC" texts, pieced together:

DTEC

* Sign on as usual

* After "PROCEED" appears, enter: DTEC-Social Security Number
Example: DTEC-123-45-6789

* Output appears: either up 4 ID-only multiples or a NO RECORD message.

Examples:

(Continued on page 52)

What?! You can't find our magazine?

We know it can be next to impossible to find Blacklisted! 411 in your local neighborhood bookstore, as most of our subscribers are aware of this. It's rather easy to get our magazine where you want it. If you're in a place that doesn't carry our magazine and you'd like to see it there in the future, all you have to do is one of the following:

1. If you're not sure if the store you're in carries our magazine, ASK THEM! They might be sold out or they may have hidden the magazine in a special section or behind other magazines.
2. If they do not carry our magazine, tell the store manager that you would like to see this magazine in their store in the future. Give them our number, and tell them they should call us so we can set them up with a nice stock of our magazine. Make sure you let them know how disappointed you'd be if they didn't stock them or forgot to at least call and TRY to get them in stock.
3. If that fails, you can give us their address and phone number. Then we will have the chance to call them and harass...ahem, talk them into carrying our wonderful magazine.
4. Subscribe if you don't want to bother with any of the previous methods.

Blacklisted! 411

P.O. Box 2506, Cypress, Ca 90630

Voice: (310)596-4673 Fax: (310)493-3998

Blacklisted! 411 Monthly BBS listing

We've been asked on occasion to include some sort of Southern California BBS listing in a future issue, so our readers would have a better chance to hopping onto that "Information Superhighway" (hahaha) Needless to say, you will find on the following pages, a quite LARGE compilation of what we believe to be currently operating BBS Systems. Due to the fact that there are very many systems listed, we have not verified the existence of every single one of these systems. If you find any error in number or name on any system listed, please feel free to contact us regarding this. Mail, Fax or Phone in any additions, corrections or deletions to this listing. We do not, in any way, take responsibility for any resulting actions arising from the use of the systems listed. This listing is provided for information purposes only.

Southern California BBS Listing

213 Area Code

(213)221-6379 Megabytes	(213)656-4192 Charlatan's Cabin WC
(213)225-5474 Thundervolts	(213)656-6955 Charlatan's Cabin WC
(213)254-6175 Rediffusion RBBS	(213)663-1301 Survival Club
(213)262-8110 US Pompeii DLX	(213)665-4256 The Crusader BBS
(213)264-6900 Modem Butterfly DLX	(213)665-9486 Special Times BBS
(213)265-0523 ARC WW (Private)	(213)668-2694 Recycler Weekly
(213)293-0070 The Castle BBS MJ	(213)727-0251 Miller's Party Board
(213)294-7791 Baud Town DLX	(213)732-2300 The Liberty BBS, MJ
(213)295-2084 Westwood Storyboard	(213)734-2341 Prime Time MJ
(213)342-0976 Blazin' Bytes BBS	(213)735-3781 Sherwood Forest WW
(213)344-0960 Beeline,DLX	(213)778-6450 Mortequai's Castle
(213)344-4444 Pacific Online	(213)779-3414 Collaboration WC
(213)344-4445 Pacific Online	(213)849-4048 Star Chat
(213)365-8902 The Pod Bay Door	(213)874-9484 Expiring Mind
(213)381-3598 Mystic Fantasies WW	(213)878-2801 U S Pompeii DLX
(213)387-1002 LAAUG-Line	(213)882-8501 Blazin' Bytes BBS
(213)418-1101 Talk Channel DLX	(213)933-4050 Westside BBS
(213)464-4614 Next Dimension	(213)934-3437 Beeline,DLX
(213)480-0734 Public Data Network	(213)935-9600 Westside BBS
(213)484-0260 DownTown BBS	(213)936-9951 The Castle BBS MJ
(213)569-9191 Miller's Party Board	(213)938-6579 Christ's Corner
(213)624-3730 CompuServe	(213)939-5390 Baud Town DLX
(213)651-1730 KBBS Van Nuys MJ	(213)953-0040 The Castle BBS MJ
(213)654-7337 Charlatan's Cabin WC	(213)962-2902 BCS BBS
(213)655-0691 Lunatic Labs UnLtd	

310 Area Code

(310)204-6007 ECN Nat'l ChatLine	(310)320-2523 Trend Micro Devices
(310)204-6155 Camelot Private	(310)324-5782 U S Pompeii DLX
(310)204-6158 Camelot Public	(310)325-1796 Amiga Exchange
(310)273-5234 Weird City BBS	(310)325-4790 Prometheus Designs
(310)274-9544 No Name BBS	(310)325-6961 Bad Connection BBS
(310)275-2344 Brainex System	(310)327-2255 K&L Tele-Catalog WW
(310)276-4807 Death Star	(310)337-1187 Public Data Network
(310)289-0345 Thors Int'l BBS	(310)348-9745 The Crusader BBS
(310)306-3530 LMI Forth Board	(310)370-2831 CompuServe
(310)314-3227 Quarterdeck #1	(310)370-4113 Long Island OP
(310)318-9169 ACS BBS	(310)371-1803 The Source! WC
(310)319-0164 ECHO/Opportunities	(310)371-3737 The Source! WC

310 Area Code Continued

(310)372-4050 L.A. Online
 (310)375-6561 Destroyer
 (310)375-7430 Imperial Hotel WW
 (310)376-9567 Beach Cities RBBS
 (310)378-3081 Bad Boy BBS
 (310)379-8817 Chuck Crayne's BBS
 (310)390-4188 CompuServe
 (310)396-8793 The Liberty BBS, MJ
 (310)398-1224 Caesar's Palace WW
 (310)398-7804 World Evangelist WC
 (310)404-6363 Miskatonic University
 (310)408-0490 Digital Visions Sys
 (310)420-1000 Long Beach PC Club
 (310)420-3024 Sleeper Keep KABB
 (310)420-9327 QED BBS
 (310)421-0785 Club Dave WW
 (310)421-3767 The Motherboard BBS
 (310)421-9231 Modern Butterfly DLX
 (310)422-2261 Soapbox
 (310)422-7942 Mike's SOCAL Corner B
 (310)423-1792 The Burbs
 (310)424-3149 Delos BBS
 (310)425-5710 AuSSie BBS MJ
 (310)425-8900 Mousetrap
 (310)426-4299 Fireside
 (310)428-1181 Space Port WW
 (310)428-7650 Aviation Forum WW
 (310)428-9140 Public Data Network
 (310)430-4422 Miller's Party Board
 (310)429-8700 Old Bailey
 (310)434-2933 pLaNeT ZeD PCB
 (310)436-1311 Why Not RBBS-PC
 (310)452-3374 Xchange Net BBS
 (310)454-4660 Apple Users Board
 (310)453-5219 GIA-Net Internat'l
 (310)453-7564 Citizen America
 (310)453-8726 The Palmtree BBS
 (310)454-4660 Apple Corps BBS
 (310)458-6598 Public Data Network
 (310)458-8989 Santa Monica PEN
 (310)470-6869 Snark's Abode WW
 (310)472-2598 Crystaljack PalaceWC
 (310)473-8035 CNP BBS WC
 (310)477-0408 Business BBS
 (310)477-8375 PVAC
 (310)477-8495 BR's BBS
 (310)493-6402 TCE Info Systems 2400
 (310)493-6672 TCE Info Systems 14.4k
 (310)493-6872 TCE Info Systems 14.4k
 (310)493-7063 TCE Info Systems 28.8k
 (310)493-7183 TCE Info Systems 28.8k
 (310)514-0121 The Fireside BBS
 (310)516-0834 The GS-BUG BBS
 (310)517-0488 Treehouse BBS
 (310)518-9524 Masatek
 (310)523-4554 Prime Time MJ
 (310)527-7380 The Castle BBS MJ
 (310)527-7433 Federation HQ WW
 (310)531-3068 Talk Of The Town BBS
 (310)536-6286 Locals' WC
 (310)532-1700 KBBS Compton MJ
 (310)541-0618 Laserman BBS
 (310)541-2503 GFRN Data Exchange
 (310)541-7299 RPV Astronomers
 (310)543-5011 OV Pacific BBS
 (310)543-1571 OV Pacific BBS
 (310)549-2118 Hertz Castle WW
 (310)549-5539 42 Ill RA
 (310)549-9640 Hughes Mac-HACers
 (310)558-0145 KBBS Culv City MJ
 (310)559-6227 L.A. Macintosh Group
 (310)559-8723 Milliways GBBS
 (310)591-5768 CompuServe
 (310)597-2235 The French Flyer
 (310)597-3292 Soaring Info. Exch.
 (310)597-7773 Landing Strip
 (310)598-9995 Reflections BBS
 (310)603-1288 Joker's Den WW
 (310)609-1443 The Liberty BBS, MJ
 (310)609-2176 Maverick WC
 (310)630-7090 Equipping the Saints
 (310)631-1434 Surfboard II
 (310)633-5002 Amiga Connection
 (310)634-8549 Chess Hotline WW
 (310)634-2826 CoCo Users Group
 (310)634-8759 Amiga Connection
 (310)634-8993 Target Range
 (310)635-9090 Tatung Company
 (310)637-3702 The Motherboard BBS
 (310)637-9189 Beeline,DLX
 (310)640-3481 Beeline,DLX
 (310)641-4678 Blazin' Bytes BBS
 (310)641-9627 Autosports BBS
 (310)645-6969 U S Pompeii DLX
 (310)652-4314 The Motherboard BBS
 (310)652-8157 W.Holly. Sheriffs
 (310)657-6461 After Midnight WW
 (310)670-9465 Ladera Z-Node
 (310)676-4282 Great Escape WC
 (310)676-4292 The Motherboard BBS
 (310)677-4007 Rooftop! Connection
 (310)719-1895 FarSide BBS
 (310)767-1010 Modem Butterfly DLX
 (310)782-9358 Horse & Anvil Inn
 (310)791-7278 Art Gallery South WC
 (310)798-2033 Ye Olde Pleasure Shp
 (310)804-3324 Illusions WW
 (310)815-0117 Miller's Party Board
 (310)822-6729 StormGate Aerie
 (310)823-3609 Compu-Net Online WC

310 Area Code Continued

(310)823-4978 Quantum Connection RA
 (310)823-6686 Lifeline 12 Step WC
 (310)827-2426 Networking Systm WC
 (310)827-8171 LACS BBS
 (310)832-0152 The Pony Express
 (310)832-3526 U S Pompeii DLX
 (310)837-7325 Ye Olde Pleasure Shp
 (310)838-9229 West L.A. BBS
 (310)841-6900 Modem Butterfly DLX
 (310)842-7995 After Hours
 (310)859-2454 Sleepy Hollow #3 PCB
 (310)859-7207 Mog-Ur's WC EMS #3
 (310)859-9334 Sleepy Hollow #1 PCB
 (310)860-9171 Wine Cooler WW
 (310)861-2801 Arch Mage's BBS
 (310)862-6933 River Conditions
 (310)865-4105 The Swamp
 (310)865-7374 Western Publisher's
 (310)867-2177 Miner 49'er WW
 (310)902-9538 Close Encounters
 (310)923-2123 Arch Mage's BBS
 (310)927-5016 Best & Worst II
 (310)927-7574 Berserkers Rest
 (310)927-8352 Arco Products
 (310)929-4304 Miller's Party Board
 (310)944-2327 Mega-ROM BBS
 (310)945-7721 Witz Inn
 (310)946-2604 Bytel Corporation
 (310)947-3997 Close Encounters
 (310)947-4402 MAClectic BBS
 (310)949-7478 Dart Board WW
 (310)978-0024 PPC BB Service PCB
 (310)983-1600 AmigaSerV BBS
 (310)983-1208 AmigaSerV BBS
 (310)984-1075 Leo Graphics TBBS
 (310)986-4744 Butch's Board

619 Area Code

(619)221-0311 Flatulence Place JB
 (619)222-3097 Mushin Subscriber
 (619)224-1264 Hell & Beyond
 (619)224-4878 Ocean Beach
 (619)226-3417 John's Fantasy BBS
 (619)226-4502 Silver
 (619)232-4919 Black Magic XE
 (619)233-8548 Orfan-Sector Sweepers
 (619)236-0733 SprintNet X.25
 (619)247-1816 Hi Desert WC
 (619)253-4437 AvComm WC Node 1
 (619)256-3545 Barstow RCP/M PCB
 (619)259-7757 Serenity 1
 (619)270-3148 Elephant's Graveyard
 (619)271-9969 Trade Winds RA
 (619)272-2059 Mac Underground
 (619)272-3643 CoCo Exchg
 (619)272-9240 Prime Solutions
 (619)278-2083 Pacific Rim WC #4
 (619)278-7086 Pacific Rim Mail
 (619)278-7361 Pacific Rim WC #1
 (619)279-3921 RadioSport! WC
 (619)280-7001 Tech Assistance 1 RB
 (619)280-7002 Tech Assistance 2 RB
 (619)281-2622 General CompuCom WC
 (619)281-4185 The General,Public
 (619)281-5538 The General,Reg User
 (619)283-1721 BiZynet
 (619)283-4998 Sin City WW
 (619)284-0799 Programmers WorkShop
 (619)284-2924 Programmers Workshop
 (619)287-5828 Catholic Info Net GT
 (619)291-0544 Hillcrest Community
 (619)291-6746 Pea's Keep OP
 (619)291-9791 PCAware TechNet OS/2
 (619)293-3600 Orphan Board West
 (619)298-4027 MediaLine PCB
 (619)299-4018 Environment SL
 (619)346-1608 Surf Computer Svcs
 (619)353-3365 El Centro WC
 (619)353-9354 NAF-BBS WC
 (619)355-2222 Imperial Valley BBS
 (619)364-0033 Satsang BBS
 (619)367-9208 Databyte Cmp Svc WC
 (619)390-7328 Lakeside Wildcat 1
 (619)425-1508 Down & Out TG
 (619)427-4368 Troll Booth WW
 (619)430-7919 Mo's Ark WW
 (619)431-5956 Stac Electronics
 (619)431-7405 Stac Electronics
 (619)434-1482 Cold Fusion WW
 (619)436-3525 ABC Fun Keys WC
 (619)439-8407 Amiga Beach
 (619)443-4089 Lakeside Wildcat 2
 (619)445-6028 Alpine Wildcat! WC
 (619)447-5010 Modem Magick
 (619)447-5281 Modem Magick
 (619)448-3929 Lottery Board WC
 (619)449-7052 Dragon's Nest WW
 (619)449-8333 West Coast Connect'n
 (619)450-2179 Softwr Prod Int PCB
 (619)450-9370 LaserGo, Inc.
 (619)451-1672 Terminal Velocity
 (619)452-3131 IEEE (San Diego)
 (619)452-3771 Mushin Subscriber
 (619)452-6329 Pacific Data Prodcts
 (619)453-1819 Enigma:Next Generatn
 (619)453-5232 ChipSoft PCB

619 Area Code Continued

(619)455-5226 NewWare 2 WC
(619)462-8406 Dreaming City WC
(619)466-9505 Gandalf's QBBS
(619)467-9508 CompuServe
(619)475-2277 Reflections
(619)476-0692 Investment Club WC
(619)477-2368 AmigaAnonymous
(619)479-3006 Starhelm Greystaff
(619)483-5477 Dollars and Bytes MH
(619)484-5062 Audio World
(619)486-0529 Nexus Point MJ
(619)486-6114 Scribbles
(619)497-0113 Analog Man
(619)497-0541 USS Enterprise
(619)528-0322 Erotic City WW
(619)532-8022 Balboa Hospital PCB
(619)535-9580 Mushin Open Nodes
(619)542-0906 About Town QBBS
(619)549-0447 Fanatic RA
(619)556-0135 CNSP/CNAP PCB
(619)556-0136 CNSP/CNAP PCB
(619)558-7407 Hero Network
(619)560-7713 Pacific Rim BBS #1
(619)561-2961 Generic BBS WC
(619)562-2410 A.D.O.N.I.S. TBBS
(619)562-3438 Foys' Trading Post
(619)562-3646 Foy's Trading Post
(619)562-3928 Dragon's Dream WW
(619)562-7387 Lurch's Playhouse
(619)562-8735 Santee Micro WC
(619)565-7874 Future Board!
(619)566-0328 Classified Connectn
(619)566-0361 Classified Connectn
(619)566-1745 Classified Connectn
(619)566-4084 Classified Connectn
(619)566-4634 Classified Connectn
(619)573-0224 Public Data Network
(619)573-1675 ComputerEdge TBBS
(619)578-9247 Hertzian Intercept
(619)579-0135 Zzyzx Road
(619)584-8228 Byte's Realm RA
(619)584-8456 SD Connect 1 DLX
(619)586-7973 GodSpeed(r) OP
(619)593-1341 D.J.M.
(619)593-6400 pnet01
(619)595-4570 Dog House
(619)596-0870 L-E
(619)596-1974 Amiga Street
(619)630-4228 Entropy WW
(619)630-8375 Attron WW
(619)669-0385 General Alarm
(619)673-4617 Emerald Systems
(619)689-2817 Rendezvous! 4 TBBS
(619)689-8550 Rendezvous! 2 TBBS
(619)692-0563 Rendezvous! 1 TBBS
(619)692-1961 SabaLine PCB
(619)695-1098 West Coast Univ
(619)697-4073 Star One
(619)723-8025 Cleric's Keep
(619)726-9914 Ghost Town WW
(619)727-0202 PD-SIG TBBS
(619)728-4318 File Bank 1 PCB
(619)737-3097 Cloud 9
(619)738-5132 Thin Blue Line WW
(619)747-3041 One Step Beyond...
(619)747-5803 Public Data Network
(619)747-8719 Sharky's MACHiNE
(619)748-4686 Rendezvous! 3 TBBS
(619)748-5938 Scholastic Asylum
(619)748-7923 UGS-Europa WC
(619)755-5675 Zeke WC
(619)778-6783 Alpha Complex
(619)789-4391 High Country East WC
(619)940-1985 Dragnet WC
(619)947-5951 The Cutting Edge
(619)949-4021 NOHO WC
(619)949-4025 NOHO WC
(619)949-4026 NOHO WC
(619)956-2631 NFUG GBBS

714 Area Code

(714)220-1561 Programmer Tech.
(714)236-6286 Diamond Support
(714)240-8483 Taboo Topics
(714)248-2836 HIV/AIDS info
(714)252-1131 CompuServe
(714)256-5033 PC Craft, Inc.
(714)257-1175 Star Tech. III WC
(714)282-6055 AIM On-line Svcs GAP
(714)361-1112 Argonaut's
(714)362-8848 Gibson Research
(714)364-1633 CAD BBS
(714)379-1335 Infinity BBS
(714)432-9104 PC Applications
(714)435-9118 Mage's Guild
(714)447-0397 The Burbs
(714)447-4356 Hustler's Corner
(714)455-1779 D-Link Systems MJ
(714)457-0359 Discovery PCB
(714)457-0460 Discovery PCB
(714)457-0548 Valhalla
(714)457-1019 Believer's Board
(714)457-1020 Believer's Board
(714)457-1021 Believer's Board
(714)457-8066 Safety Net

714 Area Code Continued

(714)458-6834 ALR, Inc.
 (714)472-6237 Dawg House
 (714)476-0944 ETAP User's WC
 (714)476-9376 Public Data Network
 (714)491-1003 Desktop
 (714)491-1564 Interlude DLX
 (714)492-0724 Sherlocktron
 (714)492-1045 Calypso GAP
 (714)492-3804 In-Phase BBS
 (714)492-8727 InfoMat GAP
 (714)493-3819 Crow's Nest GAP
 (714)496-2419 Gateways Compucomm
 (714)497-5860 SOARA/Interflex
 (714)498-8638 Big Blue Mac
 (714)521-1175 The Motherboard BBS
 (714)522-3980 Punkin Duster
 (714)522-7539 Exit Stage Left WC
 (714)524-2870 Fireball BBS
 (714)527-5187 Alpha Centauri
 (714)530-5442 0x0 Republik
 (714)531-7255 Cor Unum MX
 (714)533-4227 MicroLink
 (714)534-9017 Connections
 (714)534-9196 Code-3 WC
 (714)535-1319 Motown-LA GAP
 (714)536-0509 Surf City WC
 (714)537-6244 Codex
 (714)537-7062 Codex
 (714)538-0614 Robot Dawn BBS
 (714)539-2477 Master's BBS #1
 (714)539-9087 Master's BBS #2
 (714)542-5917 Locker Room GAP
 (714)545-5156 Andromeda
 (714)547-4201 The Pirate
 (714)549-0472 Junior Flight Deck
 (714)552-3715 Legends TG
 (714)556-3208 CHIPS Connection
 (714)557-5591 Toon Town BBS
 (714)563-9421 Waveline
 (714)563-9431 CompuServe
 (714)579-1901 La Habra Connection
 (714)581-7600 Toshiba America
 (714)589-2700 Heels of Domination
 (714)588-0526 Suicide Hotline WW
 (714)633-0644 Allied Services
 (714)635-6473 Public Data Network
 (714)636-2667 Kandy Shack PCB #5
 (714)636-8606 Buffy's BBS
 (714)638-1164 Testament HE
 (714)638-2298 F.O.G. MX
 (714)638-7240 Prism
 (714)638-8353 F.O.G. MX
 (714)639-1139 Ol' Codger's RA
 (714)642-8130 Butch Board
 (714)643-3066 Laguna Hills PCB
 (714)645-6581 End of the Line WC
 (714)648-0311 SprintNet X.25
 (714)649-3283 The Liberty BBS, MJ
 (714)650-4612 Viewlink BBS
 (714)650-7779 B.A.T.S.
 (714)660-1656 C-Tech Electronics
 (714)663-9033 \$Westwood Storyboard
 (714)666-2393 Heaven West
 (714)670-6500 AuSSie BBS MJ
 (714)693-0762 ZyXEL
 (714)727-4723 AST Enh Products
 (714)730-5739 Club Board PCB
 (714)730-6743 Club Board PCB
 (714)738-0841 PC Treasure Chest
 (714)738-4331 OC Astronomers
 (714)738-8027 Ninja's BBS
 (714)739-4450 General Store RA
 (714)744-3251 Healthcare Ethics WC
 (714)744-5041 Public Health
 (714)751-9307 Spectre's OS/2 Tech
 (714)752-2805 Newport Systems
 (714)758-8773 Turkey's Nest WW
 (714)760-3265 Chips Connectn PCB
 (714)776-4198 The Motherboard BBS
 (714)821-2359 Calcomp, Inc.
 (714)821-3123 Brian's World WC
 (714)821-3258 Eclectic Triage WW
 (714)821-5929 Training Center WC
 (714)821-7729 Infinity BBS
 (714)821-9671 Alphacom
 (714)826-4303 Arrakis - Dune WW
 (714)827-3265 Cole Place Music Bd
 (714)827-3814 YGGDRASIL
 (714)827-7458 The Liberty BBS, MJ
 (714)828-6459 Atlantis
 (714)828-7093 Interludes
 (714)830-0402 Alpha/NET BBS
 (714)830-0311 Alpha/NET BBS
 (714)830-1884 Systems3 PCB
 (714)830-8909 System III
 (714)831-2860 City of Boldhome
 (714)834-0711 Solitude BBS,PCB
 (714)836-0131 Mistriss Digs WC
 (714)837-2116 Toshiba PC Support
 (714)837-2722 Toshiba PC Support
 (714)837-3218 Solar System 2 WC
 (714)837-4408 Toshiba Support PCB
 (714)837-4409 Toshiba PC Support
 (714)837-4572 Toshiba PC Support
 (714)837-9677 Solar System 1 WC
 (714)838-1531 Interlude
 (714)839-9580 PC-Lair PCB
 (714)840-3520 Arena BBS
 (714)842-0116 Cassi's Corners
 (714)842-5851 conexch

714 Area Code Continued

(714)842-6348 conexch
 (714)846-4393 1139/South! PCB
 (714)848-4692 Huntington Connect'n
 (714)848-5710 CyberNet BBS
 (714)854-4235 The Liberty BBS, MJ
 (714)855-4318 Chip's Ahoy
 (714)856-5087 Wellspring Node 2
 (714)856-7996 Wellspring BBS
 (714)858-0759 The Liberty BBS, MJ
 (714)863-7097 Gateway Comm. BBS
 (714)870-9228 Digital Chapel VBBS
 (714)871-9000 The Burbs
 (714)871-4018 Boot Hill
 (714)891-2667 Butch Board
 (714)894-0893 ADC
 (714)894-2246 Stanton PC BBS
 (714)897-1674 Wyle Labs - SEC WC
 (714)897-8075 Prism
 (714)952-3180 Insanity Exchange MX
 (714)952-8910 Pleasure Island BBS
 (714)962-1857 Nat'l Internal Audit
 (714)964-0311 Miller's Party Board
 (714)965-9963 Comptr Edu Svcs MX
 (714)966-0640 Foundation WW
 (714)969-6861 Pig Sty WW
 (714)970-5979 Interlude
 (714)971-1564 Christian Central
 (714)974-7428 Fretwork BBS
 (714)974-8601 The Liberty BBS, MJ
 (714)979-5322 The End BBS C=64-128
 (714)979-7529 Eclectic Online BBS
 (714)992-4520 Micro Exchange
 (714)994-4698 4Next GT BBS
 (714)995-3396 Holistic BBS
 (714)996-0805 Archivist's Scroll
 (714)996-3097 MajorNet
 (714)996-5914 Archivist's Scroll
 (714)996-6666 Medcom Mail & Arcade
 (714)996-7777 The Liberty BBS, MJ

805 Area Code

(805)250-0627 Xeon's Magic Shop
 (805)252-0450 Space Station Turbo
 (805)253-2917 EBBS
 (805)255-5006 KBBS SCV MJ
 (805)259-5442 Baud Town DLX
 (805)264-1219 Researcher's
 (805)266-2315 Stepping Stone Hotel
 (805)268-0060 Beeline,DLX
 (805)268-8339 Stepping Stone Hotel
 (805)268-8470 Ladyhawke's Domain
 (805)287-6162 Beeline,DLX
 (805)296-7793 Prime Time MJ
 (805)296-7817 Spring of Life
 (805)297-7993 SCVPCUG
 (805)298-3971 Stepping Stone Hotel
 (805)298-7022 UnRegistered! PCB
 (805)327-9286 BSCI ACAD WC
 (805)373-8579 The Motherboard BBS
 (805)374-7373 Conejo Info Services
 (805)374-8833 Opus Odium WW
 (805)393-8012 Lawman Mail Room WC
 (805)395-0250 Mustang Software #1
 (805)395-0650 Mustang Software #1
 (805)399-1765 KAOS-Amiga WC
 (805)482-5776 The Motherboard BBS
 (805)482-8030 Tom Cat Pictures WC
 (805)482-8309 Tom Cat Pictures WC
 (805)484-8016 VC Net EC
 (805)486-8699 Public Data Network
 (805)488-8973 R and R
 (805)492-5472 Technical RCP/M #1
 (805)494-9386 Pacific Coast Micro #
 (805)496-4445 Practical Periphrls
 (805)498-3500 Nomad PCB
 (805)499-6110 CompuServe
 (805)499-9646 Comptr Peripherals
 (805)532-1416 Beeline,DLX
 (805)520-7323 KBBS Simi MJ
 (805)526-0609 The Data Shop QBBS
 (805)526-4291 Will's & Bills WC
 (805)526-5660 Pipeline
 (805)526-6346 Beeline,DLX
 (805)543-3136 Pacific Exchanges
 (805)544-5419 Dark Side of Moon
 (805)581-0700 Modem Butterfly DLX
 (805)582-1534 Modem One
 (805)583-5833 The Grinder PCB
 (805)583-8637 Towering Inferno
 (805)584-6088 Brainstorm
 (805)584-9680 Baud Town DLX
 (805)640-8884 Missing Sector WW
 (805)644-8922 805 SysOp
 (805)647-8273 The Motherboard
 (805)652-0783 New Confederacy
 (805)652-1478 His Board
 (805)683-2249 Norton-Lambert Corp
 (805)723-6729 Public Data Network
 (805)735-5253 Mount Desert West WC
 (805)765-7512 Big Picture WC
 (805)832-6173 The Late Show! GAP
 (805)836-0429 The Posse WC
 (805)837-2013 City WC
 (805)925-4574 Data Exchange WC
 (805)937-5354 Info Center II WW

805 Area Code Continued

(805)937-5490 CompuServe
(805)940-8928 Lancaster Tech-Line
(805)943-7622 Stepping Stone Hotel
(805)946-4107 Midnight Express BBS
(805)948-8047 Lancaster TBBS
(805)949-8151 Researcher's PCB
(805)964-4414 The Seaside GAP #2
(805)964-4766 The Seaside GAP #1
(805)964-8649 The Bowhead Whale

(805)964-8756 The Seaside GAP #3
(805)965-4882 Silican Embassy RBBS
(805)965-9660 Eco
(805)966-3512 SBCC
(805)966-7868 Public Data Network
(805)967-5264 The Wimp
(805)967-5559 The Seaside GAP #4
(805)985-9527 Bulldog West WC

818 Area Code

(818)240-0157 Zola's Pleasure
(818)240-1593 Mike's Video House
(818)240-5769 Mike's Video House
(818)240-8296 Miller's Party Board
(818)242-2365 Delos
(818)243-1076 Talk Channel DLX
(818)246-8480 SprintNet X.25
(818)248-2304 DeepSky WC
(818)248-3088 Hottips New Users
(818)248-8971 Hottips WC #2
(818)248-8974 Hottips WC #3
(818)248-8986 Hottips WC #4
(818)249-5647 Online Writer
(818)249-8579 Game WC
(818)284-3554 ADX Mail Node
(818)285-8684 SouthWest BBS, WC C
(818)303-3869 CompuServe
(818)303-5780 Prodigy/CompuServe
(818)332-0100 The Bad Dog BBS(24h)
(818)332-6580 Softsystems WC
(818)333-6141 Backyard
(818)334-2739 Kosmik Crash Pad WW
(818)339-1134 99 BBS
(818)340-8093 Blazin' Bytes BBS
(818)342-5127 The Sprawl BBS
(818)344-2718 K-Fone WW
(818)347-4291 Rogue's Guild RG
(818)348-5987 Formula 350 PCB #3
(818)352-1678 The Call WC
(818)353-5873 Air Cond'd Nightmare
(818)353-8761 Mysteria MX #2
(818)353-8891 Mysteria MX #1
(818)355-7872 Grey Castle
(818)358-6968 Odyssey MJ
(818)360-0631 Fawltly Towers
(818)360-7022 AEC-Online W
(818)362-6092 Quake Public Access
(818)362-9701 Beach Bum City TG
(818)366-1238 Mog-Ur's WC EMS #1
(818)366-6442 Mog-Ur's WC EMS #3
(818)366-8929 Mog-Ur's WC EMS #2
(818)367-6391 Xeon's Magic Shop
(818)368-1349 The Void BBS

(818)398-0768 Baud Town DLX
(818)398-9454 TAUG BBS
(818)409-9365 The Castle BBS MJ
(818)441-3965 Patchbay
(818)444-1173 Public Data Network
(818)444-8412 Half Moon WW
(818)445-5051 KBBS Arcadia MJ
(818)447-7065 Blazin' Bytes BBS
(818)448-0141 Grease Pit
(818)448-7738 Beeline,DLX
(818)448-8529 Night Gallery
(818)454-1919 Modem Butterfly DLX
(818)457-8313 Talk Channel DLX
(818)460-6635 SBE Mailbox BBS
(818)500-0512 Harvester BBS
(818)500-7517 Rivendell
(818)502-9081 No Name BBS
(818)505-8459 KBBS Van Nuys MJ
(818)505-9848 KBBS Van Nuys MJ
(818)506-4617 PC Cracker Barrel
(818)506-5228 The Liberty BBS, MJ
(818)507-1365 KBBS Glen-Pasa MJ
(818)508-0881 Wicked Scherzo GAP
(818)545-8507 Enterprise
(818)546-2332 Lies, Inc. WW
(818)547-9288 Westwood Storyboard
(818)566-7912 Rambo-Scan BBS
(818)567-4027 Walt Disney Software
(818)569-3740 Panasia PCB
(818)569-3743 Panasia 2 PCB
(818)570-0695 The Liberty BBS, MJ
(818)574-1521 Baud Town DLX
(818)574-3949 Talk Channel DLX
(818)577-5880 Miller's Party Board
(818)579-9711 Programmers Exchg RA
(818)591-0130 The Chessboard
(818)597-9924 Formula 350 PCB #4
(818)700-0627 Miller's Party Board
(818)701-1840 The Motherboard BBS
(818)704-8486 No Name BBS
(818)705-3716 Baud Town DLX
(818)706-9805 Magnum BBS
(818)708-9691 Message Center BBS

818 Area Code Continued

(818)709-3310 Micropolis Support
 (818)709-6978 Wizard of OsZ PCB
 (818)712-9846 Baud Town DLX
 (818)713-3066 Daily News Loop
 (818)715-7153 DAK Online Resource
 (818)715-7154 DAK Online Resource
 (818)716-8796 The Motherboard BBS
 (818)718-5994 Wine Connection BBS
 (818)727-0367 The Liberty BBS, MJ
 (818)727-7639 Sleuth BBS Scrhlite
 (818)752-1714 Beeline,DLX
 (818)752-8045 CompuServe
 (818)752-8045 CompuServe
 (818)753-0449 Mog-Ur's WC EMS #3
 (818)760-2732 Blazin' Bytes BBS
 (818)760-3828 ECN
 (818)763-8160 Valley Village BBS
 (818)764-4538 MIDlum PCB
 (818)765-2171 Crystaljack PalaceWC
 (818)766-5190 Tower of Hi Sorcery
 (818)766-7669 Murph Zone EBBS
 (818)769-2302 Miller's Party Board
 (818)769-8577 Media Access Info.
 (818)772-0149 Tim's Network PCB
 (818)772-0384 Moonbeams PCB
 (818)772-4227 Valley On-Line
 (818)772-8049 The Green Dragon
 (818)772-9934 FreeLink GAP
 (818)773-2602 Mr. Bill's Retreat
 (818)776-2785 Blazin' Bytes BBS
 (818)781-7529 Dreamscape
 (818)781-9506 Stonewall West WC
 (818)782-6366 The DawgHouse
 (818)784-3039 ECN
 (818)785-3340 No Name BBS
 (818)785-6920 The Castle BBS MJ
 (818)786-5600 Annex 2 MJ
 (818)787-6455 Psychic Link
 (818)787-6900 Modern Butterfly DLX
 (818)789-4287 Electronic Music Bx
 (818)792-3477 Megazone 23
 (818)792-4752 Sports Club BBS
 (818)793-9108 Southland Matchmaker
 (818)794-0302 The Castle BBS MJ
 (818)797-5980 Talk Channel DLX
 (818)798-1509 The Motherboard BBS
 (818)799-1632 Z-Node #36
 (818)799-4768 Beeline,DLX
 (818)810-0615 The Mick's SP
 (818)842-2520 Land Might & Magik
 (818)842-2956 Bingo Bango Bongo
 (818)842-3322 Plaza Party Line
 (818)842-6900 Modern Butterfly DLX
 (818)842-8602 Land Might & Magik
 (818)846-5681 The Capital WW
 (818)846-9304 Bad-Boy's BBS
 (818)848-4101 Blue Thunder BBS WW
 (818)854-0797 DTK Tech Support BBS
 (818)879-1333 Miller's Party Board
 (818)879-8392 Blazin' Bytes BBS
 (818)881-0442 Miller's Party Board
 (818)882-9058 Sweet Life PCB
 (818)885-7054 Beeline,DLX
 (818)886-0872 KBBS Northrdg MJ
 (818)886-3965 KBBS Van Nuys MJ
 (818)887-7900 Modern Butterfly DLX
 (818)888-2271 Dreamscape DLX
 (818)888-3221 The Riverboat EBBS
 (818)888-3942 ECN
 (818)888-5460 Talk Channel DLX
 (818)888-9882 Patriots Info RBBS
 (818)889-2286 The Motherboard BBS
 (818)889-2546 KBBS Ag-Malibu MJ
 (818)891-1344 The Tool Shop PCB
 (818)891-3772 The Tool Shop PCB
 (818)891-6780 The Tool Shop PCB
 (818)891-9350 Ed's Bulletin Board
 (818)892-5477 LASIX BBS
 (818)893-0340 Baud Town DLX
 (818)985-2392 The Castle BBS MJ
 (818)896-2007 Ledge PCB VIP Line
 (818)896-4015 Ledge PCB \$5 Line
 (818)914-0498 P-Funk Online
 (818)914-2763 J.A.M.E.S.
 (818)919-2879 RC Model Plane WW
 (818)955-5166 Night Shift WC #1
 (818)955-9681 Night Shift WC
 (818)956-6164 Glendale Literati
 (818)960-7520 Another BBS!
 (818)961-2458 Miller's Party Board
 (818)961-7903 MicroLink
 (818)963-7018 Backlot (10p-8a)
 (818)965-6241 Drawing Board
 (818)965-7220 House Atreides
 (818)966-8758 CanComp
 (818)968-3215 Unmentionable Horror
 (818)969-9170 Azusa Pacific QBBS
 (818)969-9542 Azusa Pacific Mail
 (818)980-3628 El Dorado EBBS
 (818)980-8342 D.U.C.K. Pond
 (818)982-5978 Prime Time MJ
 (818)982-7271 Prime Time MJ
 (818)988-0452 Audiophile Network
 (818)988-2115 Treehouse
 (818)988-9791 CompuServe
 (818)989-0975 GIF Shoppe
 (818)989-7845 Eagle's Nest BBS
 (818)992-3321 The Tin Shack PCB
 (818)992-5627 Home Plate BBS
 (818)992-6996 Project Insomnia

818 Area Code Continued

(818)994-0442 KBBS Van Nuys MJ
(818)994-2867 Prime Time MJ
(818)994-5434 Talk Channel DLX

(818)995-6959 Chatterbox! BBS
(818)995-7051 Chatterbox! BBS
(818)997-1863 After Hours

909 Area Code

(909)242-3975 Adventurer's Guild
(909)243-8570 Mental Illusions WW
(909)247-2542 Air BBS
(909)247-2972 Seven Seas GAP
(909)279-5458 The Board GAP
(909)336-6080 Mountain Air WW
(909)354-5022 CompuServe [E-7-1]
(909)356-3607 Bits and Bytes PCB
(909)356-4636 Bits and Bytes PCB
(909)356-5762 Bits and Bytes PCB
(909)358-0383 CompuServe
(909)359-1129 Riverside RIBBS
(909)359-3189 Commnet-386 PCB
(909)359-7801 CompuServe [E-7-1]
(909)369-3362 Rubidoux
(909)369-7280 New Age Connectn GAP
(909)369-9150 Hard Disk Cafe
(909)369-9766 Patriquin Util PCB
(909)370-3773 Damar's Haven WW
(909)371-6482 VGER Control WC
(909)381-6013 PC Spectrum RBBS
(909)465-1152 Pit of Despair WW
(909)593-6144 Gentle Rain Forum
(909)597-3004 After Hours PCB
(909)621-7663 Twilight Zone
(909)622-1224 Public Data Network
(909)624-7626 Montclair WW
(909)626-1054 Zone Twixt Bars
(909)626-7701 Smorgasboard WW
(909)656-3707 Dusty Attic
(909)681-6221 Attn to Details Ry W
(909)683-3367 Computer Corner
(909)686-1522 Mel's Diner WC
(909)686-3690 Foxfire VBBS
(909)688-2658 BOARDwalk HUB PCB
(909)688-3204 Starlink

(909)734-7717 Boating Law Referenc
(909)780-5175 ECTech WC #3
(909)780-5672 ECTech WC
(909)780-6365 The Library! WC
(909)785-9176 Solid Rock SP
(909)788-5314 Cross Dimension WW
(909)789-0905 Exodus to Apocalypse
(909)790-0079 The Firehouse BBS
(909)794-2623 KnightMare WW
(909)797-8939 O.K. Corral WW
(909)799-3947 FarPoint Station W
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(909)861-7268 Diamond Bar CUG BBS
(909)861-8366 Star Tech WC
(909)862-5319 Graphics Unltd WC
(909)864-1524 The Keep GS
(909)865-0553 CompuServe
(909)865-2328 Curious Connection
(909)882-3548 Starfleet Command
(909)882-6646 CompuServe
(909)883-2552 Enchanted Forest
(909)923-1031 Diamond Bar BBS
(909)923-8247 South Ontario WW
(909)947-5658 Coin Games II WW
(909)947-7478 Diamond Bar
(909)949-2144 Deep Thought RCP/M
(909)980-0842 Low Desert Inn PCB
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(909)984-9580 Teleterm Amiga West
(909)985-8052 Dark Domain PCB
(909)987-0580 Grotto WW

Wanted: BBS Numbers/Listings

If you have a current listing of BBS' in your area, you've got exactly what we need! If you'd like to help us out, mail or fax your BBS listing to us. You may send it to us on paper or floppy. We can accept IBM 1.44M & IBM 720K 3.5", IBM 1.2M & IBM 360K 5.25" and Amiga 880K 3.5" disk formats. Send all disk material in simple ASCII text format.

Send to:

Blacklisted! 411 BBS Numbers
P.O. Box 2506
Cypress, Ca 90630

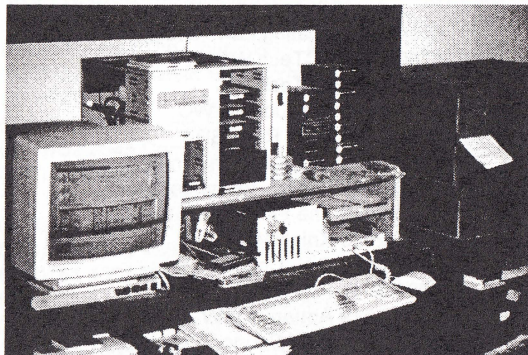
Lend out this copy of Blacklisted! 411 and you'll probably never see it again!!

Blacklisted! 411

The Blacklisted! 411 BBS Spotlight

Tycho's Computer Express!

TCE-BBS



Tycho's Computer Express, located in Los Alamitos California, is a very slick running BBS. System Operator, Tycho B. has been running this system for quite some time and it's "doing very well for a free system." To the left, you will notice the actual system that the BBS operates on. It's an Amiga 2000 system that's LOADED! If you ask us, it's a pretty good shot of the system. We especially like the nice stack (two stacks) of Supra modems above the "opened" computer. You can tell that the person running this is a true computer hacker by simply looking at the computer. When you see the case opened like this one, you just KNOW. We can see 6 hard drives, 1 CDROM, 1 tape drive, 16 supra modems, a 15" NEC monitor, the Amiga 2000, some loose cables a lot of papers and a disk cabinet to the right. Ok, we like it! We like doing spotlights on AMIGA systems, if you can't tell. Hahaha... On with the specifications.

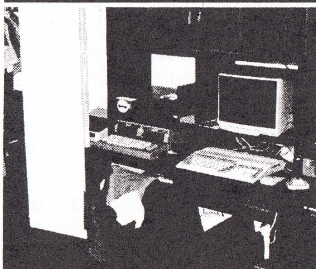
BBS Name: TCE Information Services
Location: Los Alamitos, CA
Phone #'s: (310)493-6402 (310)764-1102
(310)638-8149

SysOp: Tycho B.
Software: Cnet Amiga v3.05c
of Lines: 12
Storage: 4.5Gigabytes+
Forwarding: Yes. 3 (Compton, Garden Grove and Buena Park)

Mods: ARexx Script Modifications on nearly every area of system.

Operation: 1/85 - 8/89, 4/92 - Present
Theme: Information Service Oriented
Features: Chat, FileBase, Message Base, Etc.

Equipment: Amiga 2000 system w/ 2 A2232 Cards, 24 Megs RAM, 2 GVP IOExtender Cards, GVP 68030-33 Accelerator, 5 Maxtor HD's, 2 Quantum HD's 12 Supra 2400 Baud, 2 Supra 14.4k, 2 Supra 28.8k modems CDROM, 500Meg Backup



This is what TCE BBS looked like back in 1988. Wow! It's quite a change, seeing what it looks like today. We were lucky enough, here at Blacklisted! 411 to acquire an old picture of their system. What you're looking at, to the left, is an Amiga 500 and it's predecessor, a Commodore 64. The Amiga 500 was the system in use at the time the picture was taken. It had a mere 40 megs of HD space, one 2400 modem and a lot of heart. The Commodore 64 also in the picture was the system in use by TCE when it first began operation in 1985. The C-64 system shown was a "stripped down" version of the once HUGE C-64 system it was at one time. The C-64 has two 1541 floppy disk drives connected to it. (they're really BIG for FLOPPY drives, don't you think? haha) The original system had 2 1541's, 2 1581's and 3 SF1001's. It may not sound like much now, but back then it was a very respectable amount of storage space to speak of. Welp, there you have it. A blast to the past of this fine System. 9 years in existence! TCE Started with a simple Commodore 64, one 1541 floppy drive, custom software written in BASIC and compiled using Blitz!(remember THAT?) It grew into the 12 line system of today (which is shown at the top of this page), operating on an Amiga 2000, complimented with a GVP 68030 33MHz accelerator board, 24 Megs of RAM, over 4.5 gigabytes of storage space, high speed serial cards, a nicely grouped set of Supra modems (including two 14.4k, two 28.8k high speed SupraFAX modems and 12 2400 baud's of which 8 are currently in use.) TCE BBS System Operator, Tycho B., plans

to add up to 20 lines and even more in the way of hard drive storage space. TCE currently has in excess of 4.5 gigs. and they want to add MORE? Oh baby! That's what we like! MORE MORE MORE SPACE! "It's hard to believe what the system has grown into over the years...it was just a hobby! I guess it's become quite some hobby!," states the SysOp. Although TCE BBS isn't the biggest BBS we've seen so far, it's got what we think it takes for a system to be successful. And just what is that? A dedicated SysOp. The SysOp of this BBS appears to gain nothing from this "hobby" more than personal satisfaction of a job done "right!" We, here at Blacklisted! 411, give TCE BBS two thumbs UP! It's a very nicely operated BBS with the makings of a real system! Give it a call sometime and tell them you read the review in our magazine and you're sure to get on real FAAASST! Yee-ha!

If you operate a BBS and would like to have a "spotlight" done on it in the future, please send us a couple of pictures of your system, the name and data number of your system, YOUR name, address, voice phone number and include a small letter describing the "history" of your system. If you'd just like to have your system listed, forget the pics and the letter! We'll add ya!

Send to:

Blacklisted! 411 BBS Spotlight
P.O. Box 2506
Cypress, Ca 90630

The Marketplace

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(Continued on page 58)

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Product Reviews

PocketPOST v2.0 Review

#1 Small Size, fits in your shirt pocket when not in use.

#2 "Caution" prevents accidental damage to card.

#3 Robust documentation includes pocket-sized manual, troubleshooting tips and POST codes for all major BIOS (AMI, Award, C&T, Eurosoft, IBM, Microid, Phoenix, Quadtel, and much more)

#4 Edge connector fits in PC, XT, AT, EISA, PS/2 Model 25 and 30, Compaq, and all clones.

#5 6 jumpers let you select any type XT, AT, ISA, EISA, compatible computer to monitor POST codes in.

#6 Jumper sets reset detector to trap or continuous mode.

#7 Jumper verifies hex display is working okay (lights all segments)

#8 Large LED hexadecimal display shows BIOS Power-On Self-Test (POST) codes when the system is first turned on.

#9 4 power LEDs show you that voltages are available from the power supply.

#10 5 Jumpers let you select which voltage to check with internal level-detection voltmeter.

#11 Jumper string retaining hole keeps you from losing jumper inside computer.

#12 "power Okay" LED shows you internal voltmeter detected power is at least 95% of its proper level.

#13 Test points let you connect external voltmeter for precise measurements.

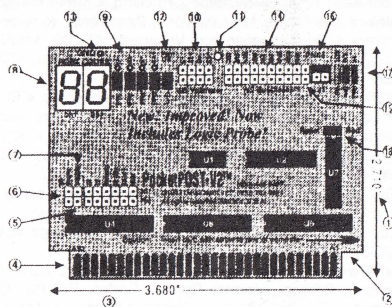
#14 10 Jumpers let you select the signal to monitor with Probe LEDs.

#15 This jumper enables the external Logic Probe

#16 Keyed jack lets you connect included logic probe for tracing faults in any TTL circuits inside the computer.

#17 Probe LEDs shows you 9 major bus/clock and Probed signals are Hi, Lo, Tri-State, or Actively toggling when they should be.

#18 LED shows status of RSTDrv



As a technician or engineer, you may have wasted thousands of hours troubleshooting dead PC's. The advanced design of Pocket Post allows you to diagnose specific boot problems even without a monitor. Plug the Pocket Post into a slot and power on; the computer sends codes to the Pocket Post and it will display the problems if the PC halts on an error. The comprehensive 300 page manual describes the Post codes for most major BIOS manufacturers. The documentation is incredible.

- Dimensions: 2.7" (T) x 3.7" (W)
- Host: IBM XT, AT, PS/2 model 25/30, Compaq, EISA, clones
- Option: PocketPOST-MCA Micro Channel Adaptor
- Display: 2 Hex digits show POST codes for all BIOS that issue then to available PocketPOST Post code ports
- Ports: 6 jumpers: 60, 80/280, 84, 90/190/85, 378/278/3BC, 300/80/84 EISA
- Power: 4 LEDs show +5, -5, +12, -12 is available, 1 LED shows each power is at least 95% of rated value, 4 jumper pin sets select voltage to be measured
- Reset LED: On when system RSTDRV occurs; jumper on to trap it.
- Probe LEDs: Activity LED on if signal is toggling > 8Hz. HI LED is on if signal is high. LO on if low, neither if tri-state. One HI/LO is brighter if its duty cycle is longer. 1. IOR (I/O Read), 2. IOW (I/O Write), 3. MEMR (Mem Read), 4. MEMW (Mem Write), 5. CLK (Sys Clock), 6. OSC (Oscillator), 7. REF (Mem Refresh), 8. AEN (address Enable), 9. ALE (Address Latch Enable), 10. Extended logic probe.
- Logic Probe: Plastic Handle, pointed metal tip, 1 - 2 ft. shielded cable.
- Wattage: Consumes 1 to 1.5 watts.
- Warranty: Limited 1-year parts and labor.
- Contact: Data Depot (800)446-3402 (800)767-3424

This piece of equipment is impressive! With this guy, I was able to fix two old 386-33 boards I've had in the closet for the last two years. The PocketPOST determined exactly what the problems were and I was able to replace a few components and I had two completely working boards when I was done. Without this PocketPOST, I would have never bothered trying to fix those boards...they were scrap as far as I was concerned - Until now! I'm glad I had still had them so I could do a review on this sucker. If you're looking for a helpful aid in fixing your computer motherboard down to component level, you NEED this thing! The documentation on this is the BEST! PocketPOST v2.0 gets two thumbs up from us!

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Just DO IT!

News & Updates

Clipper Chip Clipped!

It seems that the Clinton Administration has an obsession with eavesdropping on the American people. They want access to listen to what we say, what we do, where we go, what we buy, where we buy it, our data communications, as well. With this in mind, the government has tried to set an encryption standard, called "Clipper." The "Clipper" is a hardware encryption device which was designed to encode and decode voice conversations without user intervention and it has been pushed by our government. With this Clipper (chip), encryption would be possible as before, BUT local law enforcement agencies would be able to unencrypt ANY encryption using the Clipper (chip). How is this possible? Well, this marvel of technology has a built in "backdoor" which will allow the law enforcement officials access to the encrypted information. There has been extensive research done in applying this technology to voice AND data communications. Of course, privacy advocates, computer software manufacturers and telephone companies have been outraged by this obvious joke of an encryption standard. Really, WHO in their right mind would want or use an encryption method that has a backdoor? Nobody! That's right, NOBODY!

Regardless of this fact, it has been pushed hard. Until NOW. The government has not backed off on its stance regarding Clipper, but has changed direction regarding other technologies that would utilize the same encryption standard. These technologies include computer data applications and the systems that utilize them, including BBS's. They've come upon a stumbling block which they may never overcome. They cannot apply this technology to data communications because of some problems with the way it's handled. This has caused the Clinton Administration to rethink its position on the use of Clipper with data communications.

Why did Clipper come about, you ask? Last year, the Clipper Chip was introduced as a result of the National Security Agency's (NSA's) concerns regarding its inability to use conventional wiretaps in "catching criminals in the process of violating America's national security." In simple terms, the NSA waserked off because they could not listen in on people whenever they wanted because there are many encryption programs available now which they cannot break. This severely limits their ability to monitor messages traveling over the telephone networks. Haha, that's pretty funny, actually. The Clipper Chip was made to help alleviate this problem by providing "secure" encryption but permitting decryption by law enforcement officers possessing a valid warrant.

How does it work? First, Clipper chips would be built into new "special"

telephone units. Each time a phone call was made from one of these "special" units, a message would be sent out by the Clipper Chip, itself, to determine if the destination telephone unit was equipped w/ Clipper, as well. If so, the two telephone units would exchange encryption keys, allowing only those two telephone units to communicate with each other. Naturally, if the destination telephone unit is not equipped with Clipper, the call would go through as any normal call would - no encryption. The encryption "handshake" of these units would be completely automated, disallowing any human intervention whatsoever. Copies of the encryption keys for all Clipper telephones were to be kept on file at two federal agencies, with each agency keeping half of the key. In order for any law enforcement agency to gain access to a nonencrypted "tap" on a phone line, they would have to present their court-authorized wiretap orders to representatives at both of these agencies and receive each of the two key halves, which they could then use to decrypt the phone conversation.

Originally, Clipper was made for voice telephone conversations. Later, a data-encrypting version of this chip, called Tesseract, was scheduled for release sometime in the near future. This is where the Clinton Administration ran into problems. Tesseract ran into some problems during its testing phase. On May 31 an AT&T Bell Labs researcher issued a report describing how Tesseract was ineffective, more or less. This researcher found a significant flaw with the chip. The flaw had to do with the Law Enforcement Agency's Field (LEAF). This is what tells the law enforcement officers the serial number of the Clipper being used. They MUST have this serial number in order to request and obtain the two halves of the encryption key needed to perform the wiretap. It was discovered that the LEAF could be changed, leaving police with NO way of obtaining an accurate serial number and, therefore, no way obtaining the proper key. In essence, Tesseract was found to be useless!

This discovery was a huge embarrassment for the Clinton Administration, obviously. With this in light, the Clinton Administration announced plans to abandon its push for using Clipper technology for non-voice applications. This is wonderful news for anyone operating a BBS.

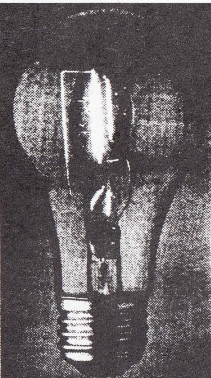
If you stop and think about this for a moment, you can see how ridiculous this whole thing is. If the government does follow through with this implementation of Clipper, what's to keep people from using their own encryption methods, underneath the Clipper encryption? That would be a laugh. Imagine this: Some law enforcement agency decides to tap you. They go through the red tape and get the two halves of the key. They then use this in order to decrypt your phone conversations. To their dismay, they find that you've thought ahead. You opted to use your own "private" encryption method. Haha! Score citizen! RIGHT TO PRIVACY! Remember, anything the government pushes hard must not be in the interest of the people. Protect yourselves.

Amiga or Bust?

So, you're curious about the latest developments with Commodore and the liquidation of their assets? Back in mid August there were many rumors that Commodore International, Ltd. had a buyer, David Pleasance of Commodore UK Management. Pleasance, however, had not expected a done deal until the first part of September his bid was for the entire company and product line of Commodore, including their popular Amiga line of personal computers. There were also several other bidders including Creative Equipment International, of Miami, FL.; Samsung Electronics, of Korea; Philips Electronics, of the Netherlands; Amstrad PLC, of the United Kingdom; and Escrom AG, of Germany. Supposedly there were only a few details left to take care of but as yet there is no deal for the buy-out of Commodore.

Amiga supporting magazines have felt the fallout from Commodore's liquidation. Product developers and vendors are reluctant to spend financial resources on a product which has the distinct possibility of becoming extinct. Since magazines are unable to reap the profits from vast amounts of advertising they are forced to cut back on other parts of their magazines, including editorials and product reviews. Most magazines, however, feel that if a pro-Amiga group or company buys Commodore that Amiga product developers will once again have faith in the computer and begin advertising in earnest. Some magazines have even said they are willing to help the new owners get the ball rolling.

Amiga dealers are suffering as well. Some feel that if the current trend continues that Amiga owners will dump their machines in favor of something that's from a stable company. Many dealers are already planning on discontinuing sales of the Amiga line. Software manufacturers are also worried as some are beginning to transfer their workforce to developing applications on other platforms such as IBM and compatibles. (Continued on page 58)



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you!
Really, we would!**

AT COMMANDS

Many of you have requested time and time again a complete listing of the AT modem command set, so we have decided to include one here in this month's issue. This is the full AT Command Set Listing we've used with all of our modems.

NOTE: This file includes commands, result codes, and display codes NOT AVAILABLE on all modem models and revisions. Some commands are new. NOT ALL commands are available or functional in all modes and states. This listing is provided for reference only and is NOT certified to be free from errors.

DIRECT Commands (Commands NOT preceded by other characters)

- A/ Re-execute Last Command
- nnn Escape Code per setting in register S2 (Default is ANSI character 43, the "+" symbol) (This command must be preceded and followed by a minimum period of no transmission set is register S12.)
- <CR> (A carriage return) - Terminate connection attempt in progress during the dialing or protocol neg. process.

DIALING Commands (Commands that follow ATD)

- (i) These symbols and spaces are ignored (or invalid and therefore ignored) and maybe be used in the dialing string.
- 0-9 DTMF code for the given number
- A-D DTMF code for the given letter
- J Do MNP 10 link negotiation at highest rate (this call only, see "H")
- K Enable power level adj. during MNP 10 link neg. (this call only, see Mn)
- L Dial the last dialing string (limited to the first 40 characters).
- P Pulse dial the following digits
- R Reverse Carrier Mode (Dial with ANSWER rather than ORIGINATE carrier.) (Some models accept, but do not support, this command.)
Normal Mode: Calling Side: ATDTn Answering Side: ATA
Reverse Mode: Calling Side: ATDTnR Answering Side: ATXD
- Sn Use dialing string stored in register n (0 to 3)
- T Tone dial the following digits
- W Wait for dialtone
- * DTMF code for "star"
- # DTMF code for "gate"
- @ Wait for "quiet answer" (A 5 second silence.)
- ! Pause (time set in S8) before finishing dialing string
- ! Hook flash (go on-hook for 700ms)
- ^ Turn on 1300Hz call originating pulse
- ; Return to command state after dialing (last command processed in string)
- > Generate a grounding pulse on the EARTH relay output (If country code setting supports it)

AT Commands (Commands that follow AT)

- =x Write value x to the last S register viewed.
- ? Displays current setting for the last S register accessed.
- A Answer Phone Line
- Bn BELL/CCITT mode switch at 300 & 1200 bps
B0=CCITT
B1=BELL (default in North America)
- C1 Carrier Control Selection
Provided for backward compatibility only. Does nothing but return "OK"
- D Dial Command
Dials any mixed string of dialing commands. (See Dialing Commands)
- En Command Echo
E0=not echo
E1=do echo (default)
- Fn {Function varies by model}
On-line State Character Echo Selection
F0 Not Supported (Returns "ERROR")
F1 Provided for backward compatibility only. (Returns "OK")

Line Select Modulation (Use either ATFn or a combination of ATS37=n and ATN0, but DO NOT try to USE BOTH at the same time.)

- F0 AutoMode Selection (try rates in order from fast to slow).
- F1 300 bps only (protocol according to Bn setting)
- F2 Not Used (return "OK")

800 BBS Numbers

- (800)222-0555 Chrysler
- (800)222-4922 US Dept. of Education
- (800)223-3312 Citibank
- (800)223-4325 Epsource
- (800)225-4112 Easy Link
- (800)225-8456 Autonet
- (800)227-1927 Dialog Knowledge
- (800)227-2985 Information/Barry
- (800)227-4908 Lexis/Nexis
- (800)231-3158 Telecor America
- (800)233-3784 Plato
- (800)233-3785 Plato (Calif only)
- (800)247-1373 InfoMaster SERVICE
- (800)257-5114 Dow Jones
- (800)258-8080 VuText
- (800)323-0905 MCI Mail (300/1200)
- (800)323-6397 FYI (110 baud)
- (800)323-7464 NY Dept. of Public Affairs
- (800)323-7751 MCI Mail
- (800)325-0476 1st National 800 data bank
- (800)325-1436 Easy Link (110 baud)
- (800)325-1461 Easy Link (300 baud)
- (800)325-1471 Easy Link (1200 baud)
- (800)325-4112 Easy Link (300/1200)
- (800)325-6397 FYI
- (800)327-6764 Autonet
- (800)327-6765 Autonet NA
- (800)327-9638 EasyNet
- (800)334-2564 3-DIALOG
- (800)336-0149 Tymnet
- (800)336-0437 Telenet Customers
- (800)336-3330 Source
- (800)336-3366 Source
- (800)336-3797 Easy Link
- (800)345-1301 Newsnet
- (800)345-4277 BRS Information Technologies
- (800)363-3343 Sourcenet
- (800)365-8262 Military BBS
- (800)368-3407 Telemail Customers
- (800)368-5903 F.B.I.
- (800)372-0400 Verbatim (ext. 3)
- (800)372-2227 then dial 18285
- (800)424-6677 MCI Mail
- (800)424-9494 Telenet
- (800)426-3383 Astral Plane
- (800)435-0100 Collector's Data Service
- (800)435-7342 ABA/NET SIG
- (800)445-4444 Easy Link
- (800)453-4794 Compuserve
- (800)521-2255 Autonet
- (800)527-5184 Easy Link X10
- (800)538-5847 UNIX (300 baud)
- (800)543-6862 Lexis/Nexis
- (800)544-4005 Delphi
- (800)548-3726 Phoenix
- (800)544-4924 MCI Tones
- (800)572-0408 Telenet Virginia only
- (800)572-2070 Source Virginia only
- (800)572-3517 Sourcenet Virginia only
- (800)624-1528 Insurance
- (800)624-2255 M.C.I.
- (800)632-7227 NEC Electronics
- (800)634-2533 Military bbs
- (800)634-4433 Real Comm BBS
- (800)638-6936 Legacy GENIE
- (800)638-9636 GENIE
- (800)733-4707 After Dark
- (800)782-1100 Pronto
- (800)821-5340 Unnet
- (800)828-3458 Class ###
- (800)828-8855 People Link's Customer Service
- (800)828-6321 Xerox
- (800)831-6964 LithoNet
- (800)833-4707 BRS After Dark
- (800)833-8484 M.C.I. (Wash D.C. Only)
- (800)833-9400 QuantumLink Reg.
- (800)835-3001 PC Pursuit
- (800)835-3283 Telecure Shopping
- (800)848-8199 Compuserve
- (800)848-8990 Compuserve (300/1200 baud)
- (800)982-2737 Easy Link
- (800)982-5838 Dialog (Calif)
- (800)TEL-ENET Telenet

Government Bulletin Boards

(202)205-6269 SBAI-BBS
 (202)208-1781 FERC-CIPS BBS
 (202)208-7119 OEA BBS
 (202)208-7679 CIC-BBS
 (202)219-2011 OERI BBS
 (202)225-5527 Fed Whistleblower
 (202)275-0920 FRENED #1
 (202)342-4568 ADA ALS/Navay
 (202)357-0359 STIS(NSF)
 (202)366-3764 PHA BBS
 (202)376-7100 USCS BBS
 (202)433-8530 NCTS BBS
 (202)475-7543 Metro-Net
 (202)482-7543 OPBO BBS
 (202)482-3870 EBB
 (202)501-0373 BOM-BBN
 (202)501-2014 IRSC BBS (GSA)
 (202)501-7521 EOUSA BBS
 (202)512-1397 FEDERAL BBS
 (202)514-6102 OIS
 (202)514-6193 CRS BBS
 (202)523-1186 TEBBS (OGE)
 (202)523-7399 VA BBS
 (202)586-0739 Megawatt 1
 (202)586-2557 EPUB
 (202)586-8496 TELENEWS
 (202)586-8658 Energy Information
 (202)606-2675 PayPerNet#1 (OPM)
 (202)606-4662 NOAA-ESDD (NOAA)
 (202)632-1361 FCC State Link
 (202)634-1764 SRS
 (202)646-2887 SALEMDUG BBS
 (202)647-9225 CABB
 (202)653-1079 USNO ADS
 (202)653-7516 CASUCOM (GSA)
 (202)690-5423 OASH BBS (NAPO)
 (202)707-3854 LC News Service
 (202)707-4888 ALIX
 (202)708-3563 HUD N&E BB (HUD)
 (202)727-6668 DCCBS
 (202)874-6817 FMS BBS
 (205)895-0028 NASA Spacelink
 (210)925-9096 Kelly AFB
 (301)286-9000 NSSDC/NASA/Gd
 (301)436-5078 NDB-BBS
 (301)504-6510 ALF
 (301)585-0204 SWITCH BBS
 (301)589-0205 NPS BBS(EPA)
 (301)589-3536 ABLE INFORM
 (301)589-8366 CLU-IN (EPA)
 (301)670-3813 ATTIC (EPA)
 (301)725-1072 FCC Public Access
 (301)738-8895 NCJRS BBS
 (301)763-4574 CPO BBS (Census)
 (301)763-7554 Census-BEA (Census)
 (301)878-4573 Fort Richie
 (301)899-1173 S. Wealth Data (NWS)
 (301)921-6302 FRBBS (NIST)
 (301)948-2048 DMIE (NIST/NCSL)
 (301)948-5140 Computer Security (NIST)
 (301)985-7936 HSOL BBS (HHS & UMD)
 (303)273-8672 USGS OED
 (303)494-4775 NIST ACTS
 (303)497-5042 NOAA Space Lab
 (315)772-7836 Fort Drum
 (401)841-3990 Naval Justice Sch.
 (406)731-2503 Malsrom AFB
 (410)443-7496 FDA/DMMS
 (410)443-9517 IHS BBS (HHS)
 (518)370-0118 NRRCC
 (703)274-5863 DASC-ZE
 (703)285-8637 USA-GPCS BBS
 (703)305-5919 PIM BBS (EPA)
 (703)325-0748 JAG-NET BBS
 (703)487-4061 Patent Lic. BBS
 (703)506-1025 PPIC BBS (EPA)
 (703)524-4149 Fort Meyer
 (703)602-1916 NGWS BBS
 (703)614-0215 ADAIC
 (703)614-8059 NUPERS Access
 (703)648-4168 USGS BBS (USGS)
 (703)693-3831 NADAP
 (703)697-6109 ELISA System
 (703)746-2645 ASN
 (703)756-6109 BRX Info Corner
 (703)787-1181 Offshore BBS

F3 v.23 only 75TX/1200RX (originate) or 1200TX/75RX (answer)
 F4 1200 bps only (protocol according to Bn setting)
 F5 2400 bps only (v.22bis)
 F6 4800 bps only (v.32/v.32bis)
 F7 7200 bps only (v.32bis)
 F8 9600 bps only (v.32/v.32bis)
 F9 12000 bps only (v.32bis)
 F10 14400 bps only (v.32bis)

Hn Hook Control
 H0=On-Hook (Hang Up)
 H1=Off-Hook (pick up phone line)
 In Identification Codes
 I0=SupraFAXModem product ID code
 I1=ROM checksum
 I2=Test Checksum (OK if correct, ERROR if not)
 I3=ROM revision code
 I4=Encrypted report of supported protocols
 I5=Supra Copyright info.
 I6=Country Code for country PSTN Signals are Configured for.
 I10=Supported Features (encoded - see end of text for listing)
 Ln Speaker Volume
 L0,L1 Low
 L2 Medium (default)
 L3 High
 L+n Increase Total Volume Gain n units (1-32) (Not the same as Ln)
 L-n Decrease Total Volume Gain n units (1-32) (Not the same as Ln)
 Mn Speaker Control
 M0 OFF
 M1 On until carrier is received (default)
 M2 Always On
 M3 On when answering/On only after dialing & until carrier detect
 Nn AutoMode Connection (Carrier Rate when Originating Call)
 N0=Connect ONLY at rate set in S37 register
 (N0S37=0 forces the modem to dial at the current serial port rate.)
 N1=Connect Normally (default)
 On Return from COMMAND MODE to ONLINE state
 O0=Return to ONLINE state
 O1=Request a retrain & Return to ONLINE state
 P Set dialing mode to PULSE
 Qn Result Code Mode
 Q0=Enabled (Default)
 Q1=Disabled
 Q2=Enabled when Originating, Disabled when answering
 Sr? Reports value in S register r
 SCr? Reports value in SC register r
 Sr=n Write value n into S register r
 SCr=n Write value n into SC register r
 T Set dialing mode to TONE
 Vn Result Code mode select
 V0=Numeric
 V1=Verbose (default)
 Wn Error Correction Result Code Selection
 W0=CONNECT XXXX (DTE rate) (default)
 W1=Report Error Correction Mode
 W2=CONNECT XXXX (DCE rate)
 Xn Dialing mode/CONNECT result codes
 X0=Blind Dial (ignore Dialtone & Busy), send CONNECT
 X1=Blind Dial, send CONNECT XXXX
 X2=Follow Dialtone, but ignore Busy, send CONNECT XXXX
 X3=Follow Busy, but ignore Dialtone, send CONNECT XXXX or BUSY
 X4=Send CONNECT XXXX, BUSY, or NO DIALTONE (default)
 Yn Long Space Disconnect
 Y0=Not active (default)
 Y1=Active (see manual)
 Zn Soft reset and Load Stored profile n (last functional command on line)
 Z0=resets modem & loads stored profile 0
 Z1=resets modem & loads stored profile 1
 -Kn MNP Extended Services (MNP 10)
 -K0 Disable v.42 LAPM to MNP 10 connection
 -K1 Enable v.42 LAPM to MNP 10 connection
 -Qn Fallback to v.22bis/v.22 in MNP10 mode
 -Q0 Disabled (Fallback only allowed to 4800 bps)
 -Q1 Enabled (Fallback allowed to v.22bis/v.22) (Default)

- &Cn DCD (RLSD) signal control
 &C0=DCD always on
 &C1=DCD follows carrier state (ON when carrier present)
- &Dn Modem reaction to DTR on to off transition greater than S25 setting
 a b c d e (Settings of &Qn)
 &D0= N 1 3 3 1
 &D1= 2 2 3 3 2
 &D2= 3 3 3 3 3
 &D3= 4 4 3 3 4

List of modem reactions:

N=No Action

1=Disconnect & send OK result code

2=Switch to asynchronous command state

3=Disconnect return to command state

4=Perform soft reset (like ATZ0)

List of &Q states:

a. &Q0, &Q5, &Q8, or &Q9

b. &Q1

c. &Q2

d. &Q3

e. &Q4

- &Fn Load Factory Default Configuration
 &F0 No flow control, No error correction, No data compression
 &F1 MAC hardware flow control, correction & compression active
 &F2 Hardware flow control, correction & compression active
 (&F2 is default for DOS, WINDOWS, AMIGA, & STAND ALONE units.)

- &Gn Guard Tone Selection
 &G0 Do not generate guard tones (US Default)
 &G1 Generate 550Hz guard tone (not supported)
 &G2 Generate 1800Hz guard tone (World Wide support models only)

- &Jn Phone Jack Selection
 &J0 Select RJ-11, RJ-41, & RJ-45S (Default)
 &J1 Select RJ-12 & RJ-13 (not supported)

- &Kn Serial Port Flow Control
 &K0=None
 &K3=Bidirectional Hardware (RTS/CTS)
 &K4=Software (XON/XOFF)
 &K5=Transparent Software flow control
 &K6=Software (XON/XOFF) & Hardware (RTS/CTS) flow control

- &Ln Line Type Selection
 &L0 Dial-up line (Default)
 &L1 Leased Line (not supported)

- &Mn Same function as &Q(0-3) settings.
 &Pn Pulse dialing MAKE/BREAK rate (varies by model)

&P0 39%/61% make/break ratio at 10PPS {US/CANADA} (Default)
 &P1 33%/67% make/break ratio at 10PPS {UK/Hong Kong}
 &P2 33%/67% make/break ratio at 20PPS {Japan}

&P0 39%/61% make/break ratio at 10PPS {US/CANADA} (Default)
 &P1 33%/67% make/break ratio at 10PPS {UK/Hong Kong}
 &P2 39%/61% make/break ratio at 20PPS
 &P3 33%/67% make/break ratio at 20PPS {Japan}

- &Qn Asynchronous/Synchronous Mode Selection
 &Q0 Asynchronous Direct mode
 &Q1 * Synchronous Mode 1 (Terminal must support both modes.)
 Call placed Async, modem switches to Sync. When DTR is dropped
 modem returns to Async.
 &Q2 * Synchronous Mode 2 Modem dials number in stored location 0
 when DTR goes from LOW to HIGH.
 &Q3 * Synchronous Mode 3 Dial number manually on a telephone, and
 then bring DTR high to let the modems connect.

* CAUTION! Be VERY careful when issuing these commands! Once you enter
 &Q(1-3) and save it to memory, there are only three known
 ways to return to Asynchronous Mode:

1. Issue AT &Q(0,5-9) &W from a Synchronous Terminal to restore
 the modem to Asynchronous Mode.
2. Connect modem to an Asynchronous Terminal with the DTR
 signal (line 20) disabled (a "break-out" box works very
 nicely for this) and issue the configuration you want or
 AT &Q(0,5-9) &W to return the modem to Asynchronous Mode.
3. Send the modem in to our repair department.

U.S. Senator Fax Numbers:

SENATOR ADAMS=1-202-224-0238.
 SENATOR AKAKE=1-202-224-2126.
 SENATOR BAUCUS=1-202-224-4379* /NP.
 SENATOR BIDEN=1-202-224-9516.
 SENATOR BENTSEN=1-202-224-1863.
 SENATOR BINGAMAN=1-202-224-1810.
 SENATOR BOND=1-202-224-7491 /8149.
 SENATOR BOREN=1-202-224-7777 /NP.
 SENATOR BRADLEY=1-202-224-8567.
 SENATOR BREAUX=1-202-224-9753 /2435.
 SENATOR BROWN=1-202-224- /NP.
 SENATOR BRYAN=1-202-224-1867.
 SENATOR BUMPERS=1-202-224-6435 /6437.
 SENATOR BURDICK=1-202-224-1193.
 SENATOR BURNS=1-202-224-8594.
 SENATOR BYRD=1-202-224-8070.
 SENATOR CHAFFEE=1-202-224-7472.
 SENATOR COATS=1-202-224-1966 /8964.
 SENATOR COCHRAN=1-202-224-9450 /3576.
 SENATOR COHEN=1-202-224-2693.
 SENATOR CONRAD=1-202-224-7776.
 SENATOR CRAIG=1-202-224-2573 /1006.
 SENATOR CRANSTON=1-202-224-8128.
 SENATOR D'AMATO=1-202-224-5871.
 SENATOR DASCHLE=1-202-224-2047.
 SENATOR DECONCINI=1-202-224-3464/2302.
 SENATOR DIXON=1-202-224-5581.
 SENATOR DODD=1-202-224-5431.
 SENATOR DOLE=1-202-224-8952.
 SENATOR DOMENICI=1-202-224-7371.
 SENATOR DURENBERGER=1-202-224-9486.
 SENATOR FORD=1-202-224-1144.
 SENATOR EXON=1-202-224-5213.
 SENATOR FOWLER=1-202-224-8227.
 SENATOR GARN=1-202-224-7777* /NP.
 SENATOR GLENN=1-202-224-7983.
 SENATOR GORTON=1-202-224-9393.
 SENATOR GRAHAM=1-202-224-0587 /6843.
 SENATOR GRAMM=1-202-224-6843.
 SENATOR GRASSLEY=1-202-224-0473.
 SENATOR HARKIN=1-202-224-9369* /3254.
 SENATOR HATCH=1-202-224-6331.
 SENATOR HEFLIN=1-202-224-3149.
 SENATOR HATFIELD=1-202-224-0276.
 SENATOR HELMS=1-202-224-1376.
 SENATOR HEINZ=1-202-224-8167.
 SENATOR HOLLINGS=1-202-224-4293* /3573.
 SENATOR INOUE=1-202-224-6747.
 SENATOR JOHNSTONE=1-202-224-2501.
 SENATOR JEFFORDS=1-202-224-1507.
 SENATOR KASSEBAUM=1-202-224-3514.
 SENATOR KASTEN=1-202-224-7700.
 SENATOR KENNEDY=1-202-224-2417.
 SENATOR KERREY=1-202-224-7645.
 SENATOR KERRY=1-202-224-8525.
 SENATOR LAUTENBERG=1-202-224-9707.
 SENATOR LEAHY=1-202-224-4797.
 SENATOR LEVIN=1-202-224-5908.
 SENATOR LIEBERMAN=1-202-224-9750.
 SENATOR LOTT=1-202-224-2262.
 SENATOR LUGAR=1-202-224-7777* /NP.
 SENATOR MACK=1-202-224-9365.
 SENATOR MCCAIN=1-202-224-8938.
 SENATOR MCCONNELL=1-202-224-2499.
 SENATOR METZENBAUM=1-202-224-6519.
 SENATOR MIKULSKI=1-202-224-8858.
 SENATOR MOYNIHAN=1-202-224-9293.
 SENATOR MURKOWSKI=1-202-224-5301.
 SENATOR MITCHELL=1-202-224-6853.
 SENATOR NICKLES=1-202-224-6008.
 SENATOR NUNN=1-202-224-0072.
 SENATOR PRESSLER=1-202-224-1630.
 SENATOR PRYOR=1-202-224-8261.
 SENATOR REID=1-202-224-7327.
 SENATOR RIEGEL=1-202-224-8834.
 SENATOR ROBB=1-202-224-8689.
 SENATOR ROCKEFELLER=1-202-224-7665.
 SENATOR ROTH=1-202-224-2805.
 SENATOR SANFORD=1-202-224-7406.
 SENATOR SARBANES=1-202-224-1651.
 SENATOR SASSER=1-202-224-9590.
 SENATOR SARBANES=1-202-224-1651.
 SENATOR SHELBY=1-202-224-3416.
 SENATOR SEYMOUR=1-202-224-8438.
 SENATOR SHELBY=1-202-224-3416.
 SENATOR SIMON=1-202-224-2223.
 SENATOR SIMPSON=1-202-224-1315.

SENATOR SMITH=1-202-224-1353.
 SENATOR SPECTER=1-202-224-1893.
 SENATOR STEVENS=1-202-224-2354* /1044.
 SENATOR SYMMES=1-202-224-5893.
 SENATOR THURMOND=1-202-224-1300.
 SENATOR WALLOP=1-202-224-3230.
 SENATOR WARNER=1-202-224-6295.
 SENATOR WELLSTONE=1-202-224-8438.
 SENATOR WIRTH=1-202-224-1933.
 SENATOR WOFFARD=1-202-224-8187*

U.S. Representative Fax Numbers

REP ABERCROMBIE=1-202-225-4580
 REP ACKERMAN=1-202-225-1589
 REP ALEXANDER=1-202-225-6182
 REP ALLARD=1-202-225-8630
 REP ANDERSON=1-202-225-1597
 REP M. ANDREWS=1-202-225-4210
 REP R. ANDREWS=1-202-225-6583
 REP T. ANDREWS=1-202-225-9065
 REP ANNUNZIO=1-202-225-7777 /NP
 REP ANTHONY=1-202-225-3648
 REP APPELATE=1-202-225-3087
 REP ARCHER=1-202-225-4381
 REP ARMEY=1-202-225-7614
 REP ASPIN=1-202-225-7777 /NP
 REP ATKINS=1-202-225-5588
 REP AUCOIN=1-202-225-2707
 REP BACCHUS=1-202-225-9039
 REP BAKER=1-202-225-7313
 REP BALLENGER=1-202-225-0316
 REP BARNARD=1-202-225-1873
 REP BARRETT=1-202-225-0207
 REP BARTLETT=1-202-225- /NP
 REP BARTON=1-202-225-3052
 REP BATEMAN=1-202-225-4382
 REP BEILSON=1-202-225- /NP
 REP BENNETT=1-202-225-9635
 REP BENTLEY=1-202-225-4251
 REP BEREUTER=1-202-225-1148
 REP BERMEN=1-202-225-5279
 REP BEVILL=1-202-225-0842
 REP BILBRAY=1-202-225-8808
 REP BILIRAKIS=1-202-225-4085
 REP BILEY=1-202-225-0011
 REP BOEHLERT=1-202-225-1891
 REP BOEHNER=1-202-225-0704
 REP BONOIR=1-202-225-1169
 REP BORSKI=1-202-225-4628
 REP BOUCHER=1-202-225- /NP
 REP BOXER=1-202-225-1004
 REP BREWSTER=1-202-225-9029
 REP BROOKS=1-202-225-1584
 REP BROOMFIELD=1-202-225-1807
 REP BROWDER=1-202-225-9020
 REP BROWN=1-202-225-8871
 REP BRUCE=1-202-225-9810
 REP BRYANT=1-202-225-9721
 REP BUNNING=1-202-225-0003
 REP BURTON=1-202-225-0016
 REP BUSTAMANTE=1-202-225-3849
 REP BYRON=1-202-225-6159
 REP CALLAHAN=1-202-225-0562
 REP CAMP=1-202-225-9679
 REP B. CAMPBELL=1-202-225-0228
 REP T. CAMPBELL=1-202-225-5944
 REP CARDIN=1-202-225-9219
 REP CARPER=1-202-225-1912
 REP CARR=1-202-225-1260
 REP CHANDLER=1-202-225-7762
 REP CHAPMAN=1-202-225-7265
 REP CLAY=1-202-225-1783
 REP CLEMENT=1-202-225-1035
 REP CLINGER=1-202-225-4681
 REP COBLE=1-202-225-8611
 REP T. COLEMAN=1-202-225-4799
 REP R. COLEMAN=1-202-225- /NP
 REP B. COLLINS=1-202-225-6645
 REP C. COLLINS=1-202-225-8396
 REP COMBEST=1-202-225-9615
 REP CONDIT=1-202-225-0819
 REP CONYERS=1-202-225-0072
 REP COOPER=1-202-225-4520
 REP COSTELLO=1-202-225-0285
 REP COUGHLIN=1-202-225-1238
 REP C. COX=1-202-225-9177
 REP J. COX=1-202-225-4744
 REP COYNE=1-202-225-1844

&Q4 Not Used
 &Q5 Asynchronous Reliable Mode (most common default)
 &Q6 Asynchronous Normal Mode
 &Q7 Not used
 &Q8 Asynchronous Reliable Mode w/o v.42/v.42bis
 &Q9 Asynchronous Reliable Mode w/o MNP 2-5

&Rn RTS Synchronous Mode
 (In Asynchronous mode CTS is always ON unless &K3 is set.)
 &R0 CTS responds to RTS (default)
 &R1 CTS always on unless &K3 is set
 &Sn DSR Action Select
 &S0 Always on (default)
 &S1 Follows EIA specification (Active following carrier tone, and until carrier is lost.)
 &Tn Modem test modes for trained technicians (you must set the serial port at 2400 or 9600, set the modem with AT&F0, and set S18 between 1 and 255 if you wish the tests to stop on their own.)
 AT&T0 Terminate test in progress
 AT&T1 Local Analog Loopback (+++ then &T0 to stop)
 AT&T2 Returns ERROR
 AT&T3 Local Digital Loopback for remote modem
 AT&T4 Grant request for Remote Digital Loopback (default)
 AT&T5 Prohibit request for Remote Digital Loopback
 AT&T6 Remote Digital Loopback
 AT&T7 Remote Digital Loopback with self-test
 AT&T8 Local Analog Loopback with self-test (+++ then &T0 to stop)
 &V Display Configuration Profiles
 &Wn Write ACTIVE Profile to Stored Profile n
 &W0 Writes to profile 0
 &W1 Writes to profile 1
 &Xn Synchronous Transmit Clock Source
 &X0=Modem generated (default)
 &X1=DTE supplied
 &X2=Derived from the data carrier received from the remote modem.
 &Yn Select Configuration Loaded at power-up
 &Y0=Load profile 0 (default)
 &Y1=Load profile 1
 &Zx=n Write stored telephone number x (0 to 3) the number n.
 VAn Maximum MNP Block Size for Stream Links
 VAO 64 characters
 VA1 128 characters
 VA2 192 characters (default - although may vary by model)
 VA3 256 characters
 VAn Transmit Break of length n x 100ms where n is 1 to 9 in non-error correction state. (Sends Link Attention in MNP mode)
 VEn Optimize Echo Cancellation (accepted, but not functional on some models)
 VE1 One shot that minimizes local echo to try to match local network
 V Display Telephone Directory (As stored via AT&Zn)
 VGn Modem-to-Modem XON/XOFF flow control (Normal and Direct Mode Only)
 VG0=Disabled (default)
 VG1=Enabled
 Vn Enable DTE Auto Rate Adjustment
 VJ0 Disabled
 VJ1 DTE rate is adjusted to match carrier rate.
 VKn Break Processing Control (controls remote modem during MNP mode)
 When received from local DTE & Modem is in Data Transfer Mode:
 VK0,VK2,VK4 Enter command state without sending BREAK to remote
 VK1 Clear Modem & Terminal Buffers & send BREAK to remote
 VK3 Don't clear Buffers, but send BREAK to remote
 VK5(default) Send BREAK to remote in sequence with any transmitted data (default)
 In Escape (Online Command) mode:
 VK0,VK1 Clear data buffers and sends break to remote modem.
 VK2,VK3 Send break to remote modem immediately.
 VK4,VK5(default) Send break to remote modem in sequence with data.
 When received from remote modem in non-error correction mode:
 VK0,VK1 Clear data buffers and sends break to DTE
 VK2,VK3 Send break to DTE immediately.
 VK4,VK5(default) Send break in sequence with received data to DTE.
 VLn MNP Block Transfer Control
 VL0 Use Stream Mode for MNP Links (default)
 VL1 Use Block Mode for MNP Links
 Vn Operating Mode
 VN0 Normal Mode
 VN1 Direct Mode

IN2 MNP Reliable Mode
 IN3 AutoReliable Mode
 IO Originate MNP Reliable Mode Request
 IS Report Active Configuration
 ITn Set Inactivity Timer (Modem disconnects if no activity in time n.)
 ITn=0 Timer disabled (default)
 ITn=1 to 42 Modem disconnects after n minutes without activity
 IU Accept MNP Reliable Request (request must occur within 12 seconds)
 IW Split-Speed Operation (v.23)
 IW0 Disable split-speed mode (default)
 IW1 Enable split-speed mode v.23 (forces F3)
 IY Switch to MNP Reliable Mode
 IZ Switch from MNP to Normal Mode
 %Cn Data Compression Enable/Disable
 %C0 Disabled
 %C1 MNP5 Enabled
 %C2 V.42bis (BTLZ) Enabled
 %C3 MNP5 & V.42bis (BTLZ) Enabled
 %Dn BTLZ Dictionary Size
 %D0=512
 %D1=1024
 %D2=2048 (default)
 %D3=4096 (if one-way compression %M1 or %M2 is enabled)
 2048 (if two-way compression %M3)
 %En Auto Retrain & Fallback/Fall Forward based on line quality monitoring
 %E0=Disabled (Default)
 %E1=Enable Auto Retrain based on line quality
 %E2=Enable Fallback/Fall Forward based on line quality
 %Fn Split-Speed Direction Select
 %F1 75TX/1200RX
 %F2 1200TX/75RX
 %F3 v.23 Half-Duplex (independent of IW)
 %Gn Rate Renegotiation based on line monitor readings
 %G0=Disabled
 %G1=Enabled (Default)
 %L Reports Received Signal Level (at connection to DSP) nnn in -dBm.
 nnn=9 or stronger reports as 9
 nnn=10 to 42 reports as value directly
 nnn=43 or weaker reports as 43
 %Mn {Function varies by model}
 AUXCTL Output Line Control
 %M0 Line high only while modem in synchronous data mode (default)
 %M1 Line low only while modem in synchronous data mode
 BTLZ Compression Mode
 %M0 Disabled
 %M1 Transmit compression only
 %M2 Receive compression only
 %M3 Two-way compression (default)
 %P Clear Local & Remote Modems' BTLZ Dictionaries
 %Q Report Received signal quality (nnn range 0 to 127)
 nnn=1 to 8 current signal quality excellent (higher rate may be used)
 nnn=9 to 20 current signal good (best carrier rate for line condition)
 nnn=20 to 30 current signal poor (lower carrier rate should be used)
 nnn=31 to 127 signal very bad (or gone), try forcing a lower rate
 NOTE: Modem uses 8 and 20 as rate renegotiation watermarks.
 %Sn Set Maximum BTLZ string length n (6 to 250) (default is 32)
 %TTnn PTT Testing Utilities
 (Set S10=255 to transmit data in the absence of a received signal)
 00-09 DTMF tone dial digits 0 to 9
 0A DTMF digit *
 0B DTMF digit A
 0C DTMF digit B
 0D DTMF digit C
 0E DTMF digit #
 0F DTMF digit D
 10 v.21 channel #1 mark (originate) symbol
 11 v.21 channel #2 mark symbol
 12 v.23 backward channel mark symbol
 13 v.23 forward channel mark symbol
 14 v.22 originate signalling at 600 bps
 15 v.22 originate signalling at 1200 bps
 16 v.22bis originate signalling at 2400 bps
 17 v.22 answer signalling (guard tone if PTT required)
 18 v.22bis answer signalling (guard tone if required)
 19 v.21 channel #1 space symbol

REP CRAMER=1-202-225-4392
 REP CRANE=1-202-225-7830
 REP CUNNINGHAM=1-202-225-2558
 REP DANNEMEYER=1-202-225-1755
 REP DARDEN=1-202-225- NP
 REP DAVIS=1-202-225-3588
 REP DEFAZIO=1-202-225-0694
 REP DELAGARZA=1-202-225-2534
 REP DELAURO=1-202-225-4890
 REP DELAY=1-202-225-5241
 REP DELLUMS=1-202-225-9817
 REP DERRICK=1-202-225-5383
 REP DICKINSON=1-202-225-1916
 REP DICKS=1-202-225-1176
 REP DINGELL=1-202-225-7426
 REP DIXON=1-202-225-4091
 REP DONNELLY=1-202-225-5841
 REP DOOLEY=1-202-225-9308
 REP DOOLITTLE=1-202-225-5444
 REP DORGAN=1-202-225-9436
 REP DORNAN=1-202-225-3694
 REP DOWNEY=1-202-225-1275
 REP DREIR=1-202-225-4745
 REP DUNCAN=1-202-225-6440
 REP DURBIN=1-202-225-0170
 REP DWYER=1-202-225-1553
 REP DYMALLY=1-202-225-6847
 REP EARLY=1-202-225-3181
 REP ECKART=1-202-225-1514
 REP C. EDWARDS=1-202-225-0353
 REP D. EDWARDS=1-202-225-9460
 REP M. EDWARDS=1-202-225-1193
 REP EMERSON=1-202-225-9621
 REP ENGEL=1-202-225-5513
 REP ENGLISH=1-202-225-8698
 REP EPDREICH=1-202-225-1751
 REP ESPY=1-202-225-5898
 REP EVANS=1-202-225-5396
 REP FASCELL=1-202-225-0724
 REP FAWELL=1-202-225-9420
 REP FAZIO=1-202-225-0354
 REP FEIGHAN=1-202-225-1230
 REP FIELDS=1-202-225-6899
 REP FISH=1-202-225-0962
 REP FLAKE=1-202-225-4169
 REP FOGLIETTA=1-202-225-0088
 REP FOLEY=1-202-225-7181
 REP H. FORD=1-202-225-9215
 REP W. FORD=1-202-225- NP
 REP FRANK=1-202-225-0182
 REP FRANKS=1-202-225-5085
 REP FROST=1-202-225-4951
 REP GALLEGLY=1-202-225-0713
 REP GALLO=1-202-225-0658
 REP GAYDOS=1-202-225-1335
 REP GEJDENSON=1-202-225-4977
 REP GEKAS=1-202-225-8440
 REP GEPHARDT=1-202-225-7452
 REP GEREN=1-202-225-2786
 REP GIBBONS=1-202-225- NP
 REP GILCHREST=1-202-225-0254
 REP GILLMOR=1-202-225-1985
 REP GILMAN=1-202-225-9636
 REP GINGRICH=1-202-225-4656
 REP GLICKMAN=1-202-225-5398
 REP GONZALEZ=1-202-225-1915
 REP GOODLING=1-202-225-1000
 REP GORDON=1-202-225-6887
 REP GOSS=1-202-225-6920
 REP GRADISON=1-202-225-0758
 REP GRANDY=1-202-225-5796
 REP GRAY=1-202-225-2965
 REP GREEN=1-202-225-0840
 REP GUARINI=1-202-225-7023
 REP GUNDERSON=1-202-225-6195
 REP R. HALL=1-202-225-3332
 REP T. HALL=1-202-225-6766
 REP HAMILTON=1-202-225-1101
 REP HAMMERSCHMIDT=1-202-225-7492
 REP HANCOCK=1-202-225-7700
 REP HANSEN=1-202-225-5827
 REP HARRIS=1-202-225-0175
 REP HASTER=1-202-225-0697
 REP HATCHER=1-202-225-1117
 REP C. HAYES=1-202-225-7571
 REP J. HAYES=1-202-225-8976
 REP HEFLEY=1-202-225-1942
 REP HEFNER=1-202-225- NP
 REP HENRY=1-202-225-5144
 REP HERGER=1-202-225-0996
 REP HERTEL=1-202-225- NP

REP HOAGLAND=1-202-225-4684
 REP HOBSON=1-202-225-1984
 REP HOCHBRUECKNER=1-202-225-0776
 REP HOLLOWAY=1-202-225-6252
 REP HOPKINS=1-202-225-1413
 REP HORN=1-202-225-1378
 REP HORTON=1-202-225-5909
 REP HOUGHTON=1-202-225-5574
 REP HOYER=1-202-225-4300
 REP HUBBARD=1-202-225-1662
 REP HUCKABY=1-202-225-2387
 REP HUGHES=1-202-225-1108
 REP HUNTER=1-202-225-0235
 REP HUTTO=1-202-225-5785
 REP HYDE=1-202-225-1240
 REP INHOFE=1-202-225-9187
 REP IRELAND=1-202-225-6944
 REP JACOBS=1-202-225- /NP
 REP JAMES=1-202-225-1727
 REP JEFFERSON=1-202-225-1988
 REP JENKINS=1-202-225- /NP
 REP N. JOHNSON=1-202-225-4488
 REP T. JOHNSON=1-202-225-2427
 REP JOHNSTON=1-202-225-8791
 REP B. JONES=1-202-225-8675
 REP W. JONES=1-202-225- /NP
 REP JONTZ=1-202-225-5870
 REP KANJORSKI=1-202-225-9024
 REP KAPTUR=1-202-225-7711
 REP KASICH=1-202-225- /NP
 REP KENNEDY=1-202-225-9322
 REP KENNELLY=1-202-225-1031
 REP KILDEE=1-202-225-6393
 REP KLECZKA=1-202-225-0719
 REP KLUG=1-202-225-6942
 REP KOLBE=1-202-225-0378
 REP KOLTAR=1-202-225-0526
 REP KOPETSKI=1-202-225-9477
 REP KOSTMAYER=1-202-225-5060
 REP KYL=1-202-225-1143
 REP LAFALCE=1-202-225-8693
 REP LAGOMARSINO=1-202-225-3096
 REP LANCASTER=1-202-225-0666
 REP LANTOS=1-202-225-3127
 REP LAROCCO=1-202-225-1213
 REP LAUGHLIN=1-202-225-8943
 REP LEACH=1-202-225-1278
 REP R. LEHMAN=1-202-225-5274
 REP W. LEHMAN=1-202-225-5274
 REP LENT=1-202-225-0357
 REP LEVIN=1-202-225-1033
 REP LEVINE=1-202-225-6975
 REP JE. LEWIS=1-202-225-6498
 REP JO. LEWIS=1-202-225-0351
 REP LIGHTFOOT=1-202-225-6973
 REP LIPINSKI=1-202-225-1012
 REP LIVINGSTON=1-202-225-0739
 REP LLOYD=1-202-225-6974
 REP LONG=1-202-225-8810
 REP LOWERY=1-202-225-7383
 REP LOWEY=1-202-225-0546
 REP LUKEN=1-202-225-2293
 REP MCCANDLESS=1-202-225-1040-
 REP MCCLOSKEY=1-202-225-4688
 REP MCCOLLUM=1-202-225-0999
 REP MCCRERY=1-202-225-8039
 REP MCCURDY=1-202-225-7946
 REP MCDADE=1-202-225-8564
 REP MCCORMOTT=1-202-225-9212
 REP MCEWEN=1-202-225-0224
 REP MCCRATH=1-202-225-3826
 REP MBHUGH=1-202-225-1799
 REP MCMILLAN=1-202-225-8995
 REP MCMILLEN=1-202-225-8099
 REP MCNULTY=1-202-225-5077
 REP MACHTLEY=1-202-225-4417
 REP MANTON=1-202-225-1452
 REP MARKEY=1-202-225-8689
 REP MARLENEE=1-202-225-1558
 REP MARTIN=1-202-225-4614
 REP MARTINEZ=1-202-225-5467
 REP MATSUI=1-202-225-5467
 REP MAVROULES=1-202-225-8023
 REP MAZZOLI=1-202-225- /NP
 REP MEYERS=1-202-225-0554
 REP MFUME=1-202-225-3178
 REP MICHEL=1-202-225-7723
 REP C. MILLER=1-202-225-5132
 REP G. MILLER=1-202-225-5609
 REP J. MILLER=1-202-225- /NP
 REP MINETA=1-202-225- /NP

1A v.21 channel #2 space symbol
 1B v.23 backward channel space symbol
 1C v.23 forward channel space symbol
 1D v.27ter carrier
 1E v.29 carrier
 20 v.32 @9600 bps
 21 v.32bis @14400 bps
 22 v.17 @14400 bps
 30 Silence (on-line) - i.e. go off-hook
 31 v.25 answer tone
 32 1800 Hz guard tone
 33 v.25 calling tone (1300Hz)
 34 Fax calling tone (1100Hz)

- *B Return Blacklisted Numbers
Displays a numbered chart of currently BLACKLISTED numbers (Except permanently forbidden numbers based on country setting) "OK" is returned if no temporary numbers are BLACKLISTED.
 - *C Remote Password Configuration (for MNP connections ONLY)
Gives ENTER PASSWORD prompt and accepts a 6 to 12 character alphanumeric string. (Default is QWERTY)
 - *D Return Delayed Numbers
Displays a numbered chart of DELAYED numbers and the length of delay in the format HH:MM:SS "OK" is returned if no numbers are delayed.
 - *E Exit Remote Configuration Mode
 - *Hn Link Negotiation Speed (MNP 10)
 - *H0 Link negotiation occurs at highest supported rate (Default)
 - *H1 Link negotiation occurs at 1200 bps.
 - *H2 Link negotiation occurs at 4800 bps.
 - *L Display Secure Access Directory
Displays a numbered chart (0-19) of all secure access (callback) directory entries in the following format: #-Password:Callback_Number
If no callback number is set then the colon is omitted.
 - *NCnn Country Select
Sets country PSTN parameters to the code number specified.
ERROR is returned if the country selected is not currently supported.
 - *Px:p,n Store/Delete a Password/Phone Number Pair
*Px(0-19):p(password of 6 to 12 characters):n(0 to 40 dialing codes)
If the last colon and dialing codes are omitted then password check occurs, but no call-back occurs.
 - *R Request Remote Configuration Mode (during MNP mode connection ONLY)
If successful, a REMOTE PASSWORD prompt is display, and you should issue the 6 to 12 character password currently set. If the password is accepted, a !AT prompt will be displayed and a limited set of commands can then be issued with the "AT" header omitted. Exit this mode with the *E command.
 - *Zn Change Dialing Codes (Used in countries like NORWAY that support two methods of pulse dialing.)
 - *Z0 Use dial code 0 (default)
 - *Z1 Use dial code 1
- #CID? Displays current CallerID mode (0-2)
 #CID=n Caller ID Mode
 #CID=0 Disable Caller ID (Default)
 #CID=1 Enable Formatted Caller ID Mode
 Result code syntax is as follows:
 DATE=MMDD (where MM is month number 01-12 & DD is day 01-31)
 TIME=HHMM (where HH is hour 00-23 & MM is minute 00-59)
 NMBR= number code or statement
 Statements are used for calls from non-CallerID Areas and subscribers requesting not to be displayed. The NMBR code format is controlled by the phone service provider, but seems to follow one of two patterns:
- 5039672400 (area_code, local_exchange, subscriber_number)
- 037035303339363732343030
 CCCC^N^N^N^N^N^N^N^N^N^N C is Code, ^ is spacer symbol, N is number 5 0 3 9 6 7 2 4 0 0 (notice the number is still included)
 NAME= listed subscriber name <this is an option not always supported>
 #CID=2 Enable Raw (ASCII printable HEX number) Mode
 #CID=? Returns Caller ID Modes supported.
)M Cellular Power Level Adjustments (MNP 10)
)M0 Power not adjusted during MNP 10 link negotiation (Default)
)M1 Power level adjusted during MNP 10 link negotiation.

S Registers

- S0 Number of Rings to Auto Answer (0 to 255) (0 is disable & default)
- S1 Number of Rings before last answer.
- S2 Escape Code character (0 to 255) (default is 43 "+")
- S3 Carriage Return character (0-127) (default is 13)
- S4 Line Feed character (0-127) (default is 10)
- S5 Backspace character (0-32) (default is 8)
- S6 Time to Wait before Blind Dial (2-255 seconds) (default is 2)
(Applies only in X,X1, or X3 dialing mode)
- S7 Time to Wait for Carrier (1-255 seconds) (default is 50)
- S8 Pause Time for Comma Dial Command (0-255 seconds) (default is 2)
- S9 Time to Wait Before Recognizing Carrier (1-255 1/10 seconds)
(Default is 6)
- S10 Delay from Lost Carrier to Hang Up (1-255 1/10 seconds) (Default is 14)
- S11 DTMF Tone Duration/Spacing (35 to 102 1/100 seconds) (Default is 95)
- S12 Escape Code Guard Time (0 to 255 1/50 seconds) (0 to disable, the default is 50)
- S13 Reserved
- S14 Bit Mapped Option Status Codes
Bit(Dec)
- 0 (1) Reserved
 - 1 (2) Command echo (En)
 - 0 Disabled (EO)
 - 1 Enabled (E1 default)
 - 2 (4) Quiet Mode (Qn)
 - 0 Send result codes (Q0 default)
 - 1 No result codes (Q1)
 - 3 (8) Result codes (Vn)
 - 0 Numeric (V0)
 - 1 Verbose (V1 default)
 - 4 (16) Reserved
 - 5 (32) Dial Mode
 - 0 Tone (T default)
 - 1 Pulse (P)
 - 6 (64) Reserved
 - 7 (128) Carrier Mode
 - 0 Answer
 - 1 Originate
- S15 Reserved
- S16 Diagnostic Test Mode setting -Bit Mapped (default 0)
- | | | | |
|---|----------|-----------|---------------|
| 0 | &T1 | 0 Disable | 1 Enable |
| 1 | Not Used | | |
| 2 | &T3 | 0 Disable | 1 Enable |
| 3 | &T4/&T5 | 0 Off | 1 In progress |
| 4 | &T6 | 0 Disable | 1 Enable |
| 5 | &T7 | 0 Disable | 1 Enable |
| 6 | &T8 | 0 Disable | 1 Enable |
| 7 | Not Used | | |
- S17 Reserved
- S18 Test Mode Timer (0-255 seconds, 0=Runs endlessly)
- S19 Reserved
- S20 Reserved
- S21 Bit Mapped Option Status Codes
Bit(Dec)
- 0 (1) Set by &Jn command but ignored otherwise
 - 0 &J0 (default)
 - 1 &J1
 - 1 (2) Reserved
 - 2 (4) CTS Mode (&Rn)
 - 0 CTS always on (&R0)
 - 1 CTS follows RTS (&R1 default)
 - 3 (8) & 4 (16) DTR behavior (&Dn)
 - 0,0 &D0 (default)
 - 1,0 &D1
 - 0,1 &D2
 - 1,1 &D3
 - 5 (32) DCD (RLSD) behavior (&Cn)
 - 0 &C0 (Default)
 - 1 &C1
 - 6 (64) DSR behavior (&Sn)
 - 0 &S0 (Default)
 - 1 &S1
 - 7 (128) Long space disconnect (Yn)

REP MINK=1-202-225-4987

REP MAOKLEY=1-202-225-7804

REP MOLINARI=1-202-225-1272

REP MOLLOHAN=1-202-225-7564

REP MONTGOMERY=1-202-225-3375

REP MOODY=1-202-225-1396

REP MOORHEAD=1-202-225-1279

REP MORAN=1-202-225-0017

REP MORELLA=1-202-225-1389

REP MORRISON=1-202-225-9293

REP MRAZEK=1-202-225-7215

REP MURPHY=1-202-225-4772

REP MURTHA=1-202-225-5709

REP MYERS=1-202-225-1649

REP NAGLE=1-202-225-9104

REP NATCHER=1-202-225- /NP

REP N_NEAL=1-202-225-8112

REP S_NEAL=1-202-225-4060

REP NICHOLS=1-202-225-9415

REP NOWAK=1-202-225-3523

REP NUSSLE=1-202-225-8129

REP OAKAR=1-202-225-0663

REP OBERSTAR=1-202-225-0669

REP OBEY=1-202-225-0561

REP OLIN=1-202-225-9623

REP ORTIZ=1-202-225-1134

REP ORTON=1-202-225-1233

REP M_OWENS=1-202-225-0012

REP W_OWENS=1-202-225-3524

REP OXLEY=1-202-225-1160

REP PACKARD=1-202-225-0134

REP PALLONE=1-202-225-9655

REP PANETTA=1-202-225- /NP

REP PARKER=1-202-225-5866

REP PATTERSON=1-202-225-7664

REP PAXON=1-202-225-5910

REP D_PAYNE=1-202-225-4160

REP L_PAYNE=1-202-226-4160

REP PEASE=1-202-225-0066

REP PELOSI=1-202-225-8259

REP PENNY=1-202-225-0051

REP PERKINS=1-202-225-1411

REP C_PETERSON=1-202-225-1593

REP P_PETERSON=1-202-225-1586

REP PETRI=1-202-225-2356

REP PICKETT=1-202-225-4218

REP PICKLE=1-202-225-1103

REP PORTOR=1-202-225-0157

REP POSHARD=1-202-225-1541

REP PRICE=1-202-225-6314

REP PURSELL=1-202-225-4094

REP QUILLIN=1-202-225-7812

REP RAHALL=1-202-225-9061

REP RAMSTAD=1-202-225-0140

REP RANGEL=1-202-225-0816

REP RAVENEL=1-202-225-4340

REP RAY=1-202-225-1598

REP REED=1-202-225-9580

REP REGULA=1-202-225-3059

REP RHODES=1-202-225-0985

REP RICHARDSON=1-202-225-1950

REP RIDGE=1-202-225- /NP

REP RIGGS=1-202-225-5577

REP RINALDO=1-202-225-5679

REP RITTER=1-202-225-5248

REP ROBERTS=1-202-225-5375

REP ROE=1-202-225-3071

REP ROEMER=1-202-225-6798

REP ROGERS=1-202-225-0940

REP ROHRBACHER=1-202-225-0145

REP ROS-LEHTINEN=1-202-225-5620

REP ROSE=1-202-225-2470

REP ROSTENKOWSKI=1-202-4064225-

REP ROTH=1-202-225-0087

REP ROUMEKA=1-202-225-9048

REP ROWLAND=1-202-225-7719

REP ROYBAL=1-202-225-1251

REP RUSSO=1-202-225-0292

REP SABO=1-202-225- /NP

REP SANDERS=1-202-225-6790

REP SANGMEISTER=1-202-225-4447

REP SANTORUM=1-202-225-7747

REP SARPALIUS=1-202-225-6142

REP SAVAGE=1-202-225-8608

REP SAWYER=1-202-225-5278

REP SAXTON=1-202-225-07788

REP SCHAEFER=1-202-225-7885

REP SCHEUER=1-202-225-9695

REP SCHIFF=1-202-225-4975

REP SCHROEDER=1-202-225-5842

REP SCHULTZE=1-202-225- /NP

REP SCHUMER=1-202-225-4183
 REP SENSENBRENNER=1-202-225-3190
 REP SERRANO=1-202-225-6001
 REP SHARP=1-202-225-8140
 REP SHAW=1-202-225-8398
 REP SHAYS=1-202-225-9629
 REP SHUSTER=1-202-225-2486
 REP SIKORSKY=1-202-225-4347
 REP SISISKY=1-202-225-1170
 REP SKAGGS=1-202-225-9127
 REP SKEEN=1-202-225-9599
 REP SKELTON=1-202-225-2695
 REP SLATTERY=1-202-225-1455
 REP F_SLAUGHTER=1-202-225-1044
 REP L_SLAUGHTER=1-202-225-7822
 REP C_SMITH=1-202-225-7768
 REP LAM_SMITH=1-202-225-8628
 REP LAW_SMITH=1-202-225-9816
 REP N_SMITH=1-202-225- /NP
 REP R_SMITH=1-202-225-3129
 REP SNOWE=1-202-225- /NP
 REP SOLARZ=1-202-225-9469
 REP SOLOMON=1-202-225-1168
 REP SPENCE=1-202-225-2455
 REP SPRATT=1-202-225-0464
 REP STAGGERS=1-202-225-2962
 REP STALLINGS=1-202-225-2393
 REP STARK=1-202-225- /NP
 REP STEARNS=1-202-225-3973
 REP STENHOLM=1-202-225-2234
 REP STOKES=1-202-225-1339
 REP STUDDS=1-202-225-2212
 REP STUMP=1-202-225-6328
 REP SUNDQUIST=1-202-225-2814
 REP SWETT=1-202-225-0046
 REP SWIFT=1-202-225-2608
 REP SYNAR=1-202-225-2796
 REP TALLON=1-202-225-2857
 REP TANNER=1-202-225-1765
 REP TAUZIN=1-202-225-0563
 REP C_TAYLOR=1-202-225-0519
 REP G_TAYLOR=1-202-225-7074
 REP C_THOMAS=1-202-225-0726
 REP L_THOMAS=1-202-225-6922
 REP W_THOMAS=1-202-225-8798
 REP THORTON=1-202-225-9273
 REP TORRES=1-202-225-9711
 REP TORRICELLI=1-202-225-0843
 REP TOWNS=1-202-225-1018
 REP TRAFICANT=1-202-225-3719
 REP TRAXLER=1-202-225-3046
 REP UDALL=1-202-225-1176
 REP UNSOELD=1-202-225-1176
 REP UPTON=1-202-225-4986
 REP VALENTINE=1-202-225-1539
 REP JAGT=1-202-225-9058
 REP VENTO=1-202-225-1968
 REP VISCOSKY=1-202-225-2493
 REP VOLKMER=1-202-225-7834
 REP VUCANOVICH=1-202-225-2319
 REP WALKER=1-202-225-2484
 REP WALSH=1-202-225-4042
 REP WASHINGTON=1-202-225-6186
 REP WATERS=1-202-225-7854
 REP WAXMAN=1-202-225-4099
 REP WEBER=1-202-225-0987
 REP WEISS=1-202-225-6925
 REP WELDON=1-202-225-5990
 REP WHEAT=1-202-225-5990
 REP WHITTEN=1-202-225-4328
 REP WILLIAMS=1-202-225-1257
 REP WILSON=1-202-225-1764
 REP WISE=1-202-225-5325
 REP WOLF=1-202-225-0437
 REP WOLPE=1-202-225-8602
 REP WYDEN=1-202-225-8941
 REP WYLLIE=1-202-225-7548
 REP YATES=1-202-225-3493
 REP YATRON=1-202-225-5548
 REP B_YOUNG=1-202-225-9764
 REP D_YOUNG=1-202-225-9288
 REP ZELIFF=1-202-225-4370
 REP ZIMMER=1-202-225-9181

- 0 Y0 (Default)
1 Y1
- S22 Bit Mapped Option Status Codes
Bit(Dec)
0 (1) & 1 (2) Speaker volume (Ln)
0,0 Low (L0)
1,0 Low (L1)
0,1 Medium (L2 default)
1,1 High (L3)
2 (4) & 3 (8) Speaker control (Mn)
0,0 Disabled (M0)
1,0 On until carrier (M1 default)
0,1 ON Always (M2)
1,1 On during handshake (M3)
4 (16), 5 (32), & 6 (64) Dialing Mode / Result Codes (Xn)
0,0 X0
1,0,0 Reserved
0,1,0 Reserved
1,1,0 Reserved
0,0,1 X1
1,0,1 X2
0,1,1 X3
1,1,1 X4 (Default)
7 (128) Reserved
- S23 Bit Mapped Option Status Codes
Bit(Dec)
0 (1) Grant RDL
0 RDL not allowed (&T5)
1 RDL allowed (&T4 default)
1 (2), 2 (4), & 3 (8) Assumed DTE Rate
0,0 0-300 bps
1,0 600 bps
0,1 1200 bps
1,1 2400 bps (Default)
0,0,1 4800 bps
1,0,1 9600 bps
0,1,1 19200 bps
1,1,1 Reserved
4 (16) & 5 (32) Assumed DTE parity
0,0 Even
1,0 Reserved
0,1 Odd
1,1 None (default)
6 (64) & 7 (128) Guard tone (&Gn)
0,0 None (&G0 Default)
1,0 550 Hz (&G1)
0,1 1800 Hz (&G2)
1,1 Reserved
- S24 Sleep Inactivity Timer (0-255 seconds 0 default/disable)
Number of seconds before modem enters sleep mode without either DTE or phone line activity.
- S25 Delay to DTR (0-255 1/100 seconds, 5 default)
- S26 RTS/CTS Delay (0-255 1/100 seconds, 1 default) (Sync mode only)
- S27 Bit Mapped Option Status
Bit(Dec)
0 (1), 1 (2), 3 (8) Sync/Async Mode Selection (&Mn/Qn)
0,0 &M0/Q0
1,0,0 &M1/Q1
0,1,0 &M2/Q2
1,1,0 &M3/Q3
0,0,1 &Q4
1,0,1 &Q5 (Default)
0,1,1 &Q6
2 (4) Leased line control (&Ln)
0 Dial-up line (&L0 default)
1 Leased line (&L1)
4 (16) & 5 (32) Internal Sync clock select (&Xn)
0,0 Internal (&X0 default)
1,0 External (&X1)
0,1 Slave (&X2)
6 (64) CCITT/Bell Mode (Bn)
0 CCITT (B0)
1 Bell (B1 US default)
7 (128) Reserved
- S28 Bit Mapped Options
Bit(Dec)

**You wanted them,
You GOT them!**

AMENDMENTS TO THE CONSTITUTION OF THE UNITED STATES

Amendment I (1791)

Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the government for a redress of grievances.

Amendment II (1791)

A well regulated militia, being necessary to the security of a free state, the right of the people to keep and bear arms, shall not be infringed.

Amendment III (1791)

No soldier shall, in time of peace be quartered in any house, without the consent of the owner, nor in time of war, but in a manner to be prescribed by law.

Amendment IV (1791)

The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated, and no warrants shall issue, but upon probable cause, supported by oath or affirmation, and particularly describing the place to be searched, and the persons or things to be seized.

Amendment V (1791)

No person shall be held to answer for a capital, or otherwise infamous crime, unless on a presentment or indictment of a grand jury, except in cases arising in the land or naval forces, or in the militia, when in actual service in time of war or public danger; nor shall any person be subject for the same offense to be twice put in jeopardy of life or limb; nor shall be compelled in any criminal case to be a witness against himself; nor be deprived of life, liberty, or property, without due process of law; nor shall private property be taken for public use, without just compensation.

Amendment VI (1791)

In all criminal prosecutions, the accused shall enjoy the right to a speedy and public trial, by an impartial jury of the state and district wherein the crime shall have been committed, which district shall have been previously ascertained by law, and to be informed of the nature and cause of the accusation; to be confronted with the witnesses against him; to have compulsory process for obtaining witnesses in his favor, and to have the assistance of counsel for his defense.

Amendment VII (1791)

In suits at common law, where the value in controversy shall exceed twenty dollars, the right of trial by jury shall be preserved, and no fact tried by a jury, shall be otherwise reexamined in any court of the United States, than according to the rules of the common law.

Amendment VIII (1791)

Excessive bail shall not be required, nor excessive fines imposed, nor cruel and unusual punishments inflicted.

- 0 (1) V.23 split screen (Wn)
 - 0 Disabled (W0 default)
 - 1 Enabled (W1)
- 1 (2) V.23 split screen direction
 - 0 75Tx (%F0 default)
 - 1 1200Tx (%F1 default)
- 2 (4) V.23 half-duplex
 - 0 Disabled
 - 1 Enabled (%F3)
- 3 (8) & 4 (16)
 - Pulse dialing mode (&Pn)
 - 0,0 &P0 (Default)
 - 1,0 &P1
 - 0,1 &P2
 - 1,1 &P3

5 (32) Reserved

6 (64) Reserved

7 (128) Reserved

S29 Flash Dial Modifier Time

S30 Inactivity Timer (0-255 Unit 10 seconds, 0=disable {default})

In Reliable mode any data transfer resets timer.

In Normal mode only sent data resets timer.

S31 Bit Mapped Options

Bit(Dec)

0 (1) Reserved

1 (2) Auto Mode Selection

0 Disabled (N0)

1 Enabled (N1 default)

2 (4), 3 (8) Error Correction Result Code (Wn)

0,0 DTE Speed only (W0 default)

1,0 Full Reporting (W1)

0,1 DCE Speed only (W2)

4 (16) Reserved

5 (32) Reserved

6 (64) Reserved

7 (128) Reserved

S32 XON Character (0-255, Default 17)

S33 XOFF Character (0-255, Default 19)

S36 Negotiation Failure Treatment (0-7 7 is default)

Fallback options when S48=128 or error correction link fails:

0 Disconnect

1 Establish Direct connection

2 Undefined

3 Establish Normal connection

4 Establish a MNP connection if possible, else Disconnect

5 Establish a MNP connection if possible, else Direct connection

6 Undefined

7 Establish a MNP connection if possible, else Normal connection

S37 Forced Single Carrier Rate (0-1,5-12 0 is default)

0 Carrier Rate at the rate the last AT command was issued.

(If rate is above highest carrier rate, then the highest carrier rate the modem supports is used.)

1 300 bps

2-4 Undefined

5 1200 bps

6 2400 bps

7 1200/75 bps (v.23 mode)

8 4800 bps

9 9600 bps

10 12000 bps

11 14400 bps

12 7200 bps

S38 Delay Before Forced Disconnect (0-255 seconds, default 20)

0-254 Delay in seconds from H command, or DTR toggle ON or OFF (if modem is set to follow DTR), before modem disconnects.

255 Modem send data out of buffer until completed or connection is lost.

S40 Bit Mapped Option Status Codes

Bit(Dec)

0 (1) MNP Extended Services (-Kn)

0 Disable (-K0)

1 Enable (-K1)

1 (2) Power Level Adj. for Cellular Use [Mn]

0 Auto Adj. [M0 default]

1 Force Adj. [M1]

2 (4) MNP Link negotiation speed (*Hn)

- 0 At highest rate (*H0 default)
- 1 At 1200 bps (*H1)
- 3 (8), 4 (16), & 5 (32) Break Handling (lKn)
 - 0,0,0 lK0
 - 1,0,0 lK1
 - 0,1,0 lK2
 - 1,1,0 lK3
 - 0,0,1 lK4
 - 1,0,1 lK5
- 6 (64) & 7 (128) MNP Block size (lAn)
 - 0,0 64 (lA0)
 - 1,0 128 (lA1)
 - 0,1 196 (lA2)
 - 1,1 256 (lA3)
- S41 Bit Mapped Option Status Codes
 - Bit(Dec)
 - 0 (1) & 1 (2) Compression Selection (%Cn)
 - 0,0 Disabled (%C0)
 - 1,0 MNP 5 (%C1)
 - 0,1 V.42bis (%C2)
 - 1,1 MNP 5 & V.42bis (%C3)
 - 2 (4) Auto Retrain (%En)
 - 0 Disable (%E0 default)
 - 1 Enable (%E1)
 - 3 (8) Modem to Modem Flow Control (lGn)
 - 0 Disable (lG0 default)
 - 1 Enable (lG1)
 - 4 (16) Block mode control (lLn)
 - 0 Stream (lL0 default)
 - 1 Block (lL1)
 - 5 (32) Reserved
 - 6 (64) Reserved
 - 7 (128) Reserved
- S46 Protocol Selection (136 or 138) (Affects v.42/v.42bis mode)
 - 136 Disable Compression
 - 138 Enable Compression (default)
- S48 v.42 Negotiation (0,7,128)
 - 0 Disable Negotiation, proceed with LAPM
 - 7 Enable Negotiation (default)
 - 128 Disable Negotiation, fallback per S36 setting
- S80 Enhanced Features (Bit Mapped Options)
 - Bit (Decimal)
 - 0 (1) Enable Access to functions in bits 1-7 of S80
 - 1 (2) Sync Clock Source
 - 2 (4) Sync Clock source
 - 3 (8) DTR/DSR always on
 - 4 (16) Enable lease line mode (If hardware supports)
 - 5 (32) Enable V.25bis codes
 - 6 (64) Enable remote configuration
 - 7 (128) Enable passwd/callback
- S82 LAPM Break Handling Options (3,7,128)
 - 3 Expedited: Modem sends break immediately & data integrity is maintained before and after break.
 - 7 Destructive: Modem sends break immediately & data being processed by each modem at that time is destroyed.
 - 128 In sequence: Modem sends break in sequence with transmitted data & data integrity is maintained before and after the break
- S86 Report Connection Failure Cause Code
 - 0 Normal disconnect
 - 1-3 Undefined Error Code
 - 4 Carrier loss
 - 5 No error correction at other end
 - 6 No response to feature negotiation
 - 7 This modem is ASYNC only, other is SYNC
 - 8 No framing technique in common
 - 9 No protocol in common
 - 10 Bad response to feature negotiation
 - 11 No sync information from remote
 - 12 Normal hang-up initiated by remote
 - 13 Retransmission limit reached
 - 14 Protocol violation occurred
 - 15-255 Undefined Error Code
- S95 Extended Result Code Control (default sum is 0)
 - Each bit set high in this register enables the corresponding result code regardless of the W command setting.

Amendment IX (1791)

The enumeration in the Constitution, of certain rights, shall not be construed to deny or disparage others retained by the people.

Amendment X (1791)

The powers not delegated to the United States by the Constitution, nor prohibited by it to the states, are reserved to the states respectively, or to the people.

Amendment XI (1798)

The judicial power of the United States shall not be construed to extend to any suit in law or equity, commenced or prosecuted against one of the United States by citizens of another state, or by citizens or subjects of any foreign state.

Amendment XII (1804)

The electors shall meet in their respective states and vote by ballot for President and Vice-President, one of whom, at least, shall not be an inhabitant of the same state with themselves; they shall name in their ballots the person voted for as President, and in distinct ballots the person voted for as Vice-President, and they shall make distinct lists of all persons voted for as President, and of all persons voted for as Vice-President, and of the number of votes for each, which lists they shall sign and certify, and transmit sealed to the seat of the government of the United States, directed to the President of the Senate--The President of the Senate shall, in the presence of the Senate and House of Representatives, open all the certificates and the votes shall then be counted--the person having the greatest number of votes for President, shall be the President, if such number be a majority of the whole number of electors appointed; and if no person have such majority, then from the persons having the highest numbers not exceeding three on the list of those voted for as President, the House of Representatives shall choose immediately, by ballot, the President. But in choosing the President, the votes shall be taken by states, the representation from each state having one vote, a quorum for this purpose shall consist of a member or members from two-thirds of the states, and a majority of all the states shall be necessary to a choice. And if the House of Representatives shall not choose a President whenever the right of choice shall devolve upon them, before the fourth day of March next following, then the Vice-President shall act as President, as in the case of the death or other constitutional disability of the President. The person having the greatest number of votes as Vice-President, shall be the Vice-President, if such number be a majority of the whole number of electors appointed, and if no person have a majority, then from the two highest numbers on the list, the Senate shall choose the Vice-President, a quorum for the purpose shall consist of two-thirds of the whole number of Senators, and a majority of the whole number shall be necessary to a choice. But no person constitutionally ineligible to the office of President shall be eligible to that of Vice-President of the United States.

Amendment XIII (1865)

Section 1. Neither slavery nor involuntary servitude, except as a punishment for crime whereof the party shall have been duly convicted, shall exist within the United States, or any place subject to their jurisdiction.

Section 2. Congress shall have power to enforce this article by appropriate legislation.

Amendment XIV (1868)

Section 1. All persons born or naturalized in the United States, and subject to the jurisdiction thereof, are citizens of the United States and of the state wherein they reside. No state shall

make or enforce any law which shall abridge the privileges or immunities of citizens of the United States; nor shall any state deprive any person of life, liberty, or property, without due process of law; nor deny to any person within its jurisdiction the equal protection of the laws

Section 2. Representatives shall be apportioned among the several states according to their respective numbers, counting the whole number of persons in each state, excluding Indians not taxed. But when the right to vote at any election for the choice of electors for President and Vice President of the United States, Representatives in Congress, the executive and judicial officers of a state, or the members of the legislature thereof, is denied to any of the male inhabitants of such state, being twenty-one years of age and citizens of the United States, or in any way abridged, except for participation in rebellion, or other crime, the basis of representation therein shall be reduced in the proportion which the number of such male citizens shall bear to the whole number of male citizens twenty-one years of age in such state.

Section 3. No person shall be a Senator or Representative in Congress, or elector of President and Vice President, or hold any office, civil or military, under the United States, or under any state, who, having previously taken an oath, as a member of Congress, or as an officer of the United States, or as a member of any state legislature, or as an executive or judicial officer of any state, to support the Constitution of the United States, shall have engaged in insurrection or rebellion against the same, or given aid or comfort to the enemies thereof. But Congress may by a vote of two-thirds of each House, remove such disability.

Section 4. The validity of the public debt of the United States, authorized by law, including debts incurred for payment of pensions and bounties for services in suppressing insurrection or rebellion, shall not be questioned. But neither the United States nor any state shall assume or pay any debt or obligation incurred in aid of insurrection or rebellion against the United States, or any claim for the loss or emancipation of any slave, but all such debts, obligations and claims shall be held illegal and void.

Section 5. The Congress shall have power to enforce, by appropriate legislation, the provisions of this article.

Amendment XV (1870)

Section 1. The right of citizens of the United States to vote shall not be denied or abridged by the United States or by any state on account of race, color, or previous condition of servitude.

Section 2. The Congress shall have power to enforce this article by appropriate legislation.

Amendment XVI (1913)

The Congress shall have power to lay and collect taxes on incomes, from whatever source derived, without apportionment among the several states, and without regard to any census of enumeration.

Amendment XVII (1913)

The Senate of the United States shall be composed of two Senators from each state, elected by the people thereof, for six years; and each Senator shall have one vote. The electors in each state shall have the qualifications requisite for electors of the most numerous branch of the state legislatures.

When vacancies happen in the representation of any state in the Senate, the executive authority of such state shall issue writs of election to fill such vacancies. Provided, that the legislature of any state may empower the executive thereof to make temporary

Bit (Decimal Value)

0 (1) CONNECT XXXX result code gives DCE to DCE rate instead of local DTE to DCE rate.

1 (2) Append IARQ to verbose CONNECT result code if protocol is NONE

2 (4) Enable CARRIER XXXX result code

3 (8) Enable PROTOCOL XXXX result code

4 (16) Undefined

5 (32) Enable COMPRESSION result code

6 (64) Undefined

7 (128) Undefined

S109 v.32/v.32bis Negotiation Rate Selection (default sum is 62)

Each bit set high in this register enables the corresponding rate as a valid rate to be used during rate negotiation.

Bit (Decimal Value)

0 (1) Unused

1 (2) 4800 bps

2 (4) 7200 bps

3 (8) 9600 bps

4 (16) 12000 bps

5 (32) 14400 bps

6 (64) Unused

7 (128) Unused

S110 v.32/v.32bis Mode & Rate Negotiation Control

0 Normal v.32 mode (no v.32bis support)

1 Normal v.32bis mode

2 v.32bis mode with automatic rate renegotiation (default)

3 v.32bis mode with automatic rate renegotiation starting with the lowest rate set in S109 and working up one defined rate at a time toward the highest rate set in S109 (based on %Q level at each rate prior to stepping up.) (If the modem steps back down, it will also follow the S109 settings.)

S202 Remote Access Escape Character (0-255, Default 170)

SCn=n BUSY Detect Watermark Controls

Each register "pair" holds the value for each setting. To set a value, divide the setting by 256. The integer goes in the second register, while the remainder goes in the first. (A setting of 516 would convert to 2 Remainder 4, and could be set by sending ATSC0=4SC1=2 to the modem.) Settings are in 1/100ths of a second.

Default values:

Minimum BUSY ON Time

SC0=30

SC1=0

Maximum BUSY ON Time

SC2=75

SC3=0

Minimum BUSY OFF Time

SC4=30

SC5=0

Maximum BUSY OFF Time

SC6=75

SC7=0

(Defaults support FCC Spec. BUSY signal. Setting SC0=25 & SC4=25 allows FAST BUSY to also be detected as BUSY.)

SC8=n Set number of valid BUSY Pulses before reporting BUSY (4 is default)

FAX commands of special interest to Supra Users:

+FAE=n (CLASS 1 Only) Adaptive Answer / Silent Answer Mode Control

0 Disable Both

1 Adaptive Answer ONLY

2 Adaptive Answer & Silent Answer

3 Silent Answer ONLY

+FAA=n (CLASS 2 Only) Adaptive Answer / Silent Answer Mode Control

0 Disable Both

1 Adaptive Answer ONLY

2 Adaptive Answer & Silent Answer

3 Silent Answer ONLY

Connection Result Codes:

Numeric Verbose

0 OK

1 CONNECT (300 bps)

2 RING

3 NO CARRIER

4 ERROR

5 CONNECT 1200
 6 NO DIALTONE
 7 BUSY
 8 NO ANSWER
 9 CONNECT 0600
 10 CONNECT 2400
 11 CONNECT 4800
 12 CONNECT 9600
 13 CONNECT 7200
 14 CONNECT 12000
 15 CONNECT 14400
 16 CONNECT 19200
 17 CONNECT 38400
 18 CONNECT 57600
 19 CONNECT 115200 (Not Currently Supported on MOST models)
 22 CONNECT 1200/75 (Models with v.23 support only)
 23 CONNECT 75/1200 (Models with v.23 support only)
 24 DELAYED
 32 BLACKLISTED
 33 FAX
 35 DATA
 40 CARRIER 300
 44 CARRIER 1200/75 (Models with v.23 support only)
 45 CARRIER 75/1200 (Models with v.23 support only)
 46 CARRIER 1200
 47 CARRIER 2400
 48 CARRIER 4800
 49 CARRIER 7200
 50 CARRIER 9600
 51 CARRIER 12000
 52 CARRIER 14400
 66 COMPRESSION CLASS 5 (MNP 5)
 67 COMPRESSION V.42BIS (BTLZ)
 69 COMPRESSION NONE
 70 PROTOCOL NONE
 77 PROTOCOL LAP-M (V.42)
 80 PROTOCOL ALT (MNP)
 81 PROTOCOL ALT-CELLULAR (MNP 10)
 +FC +FCERROR

V.32 & V.32BIS EXTERNAL DISPLAY CODES

Red LED's

OH Off Hook
 RD Receiving Data
 SD Sending Data
 TR Terminal Ready (Follows DTR per &Dn setting)

Green LED Display PANEL

AA Auto Answer (RI displayed during ring)
 CD Carrier Detected
 DC Data Compression in use
 DI Dialing
 FX FAX MODE
 LP LAPM Error Correction in use.
 M2 MNP2 Error Correction in use.
 M3 MNP3 Error Correction in use.
 M4 MNP4 Error Correction in use.
 M5 MNP5 Data Compression in use.
 OK Modem Powered Up Correctly and Ready for Use.
 RE Receive Error while using LAPM or MNP mode.
 RI Ring Indicator
 RT Retrain in progress
 TE Transmit Error while using LAPM or MNP mode.
 TM Test Mode in use.
 3 300 bps connection
 12 1200 bps connection
 24 2400 bps connection
 48 4800 bps connection
 72 7200 bps connection
 96 9600 bps connection
 120 12000 bps connection
 144 14400 bps connection

appointments until the people fill the vacancies by election as the legislature may direct.

This amendment shall not be so construed as to affect the election or term of any Senator chosen before it becomes valid as part of the Constitution.

Amendment XVIII (1919)

Section 1. After one year from the ratification of this article the manufacture, sale, or transportation of intoxicating liquors within, the importation thereof into, or the exportation thereof from the United States and all territory subject to the jurisdiction thereof for beverage purposes is hereby prohibited.

Section 2. The Congress and the several states shall have concurrent power to enforce this article by appropriate legislation.

Section 3. This article shall be inoperative unless it shall have been ratified as an amendment to the Constitution by the legislatures of the several states, as provided in the Constitution, within seven years from the date of the submission hereof to the states by the Congress.

Amendment XIX (1920)

The right of citizens of the United States to vote shall not be denied or abridged by the United States or by any state on account of sex.

Congress shall have power to enforce this article by appropriate legislation.

Amendment XX (1933)

Section 1. The terms of the President and Vice President shall end at noon on the 20th day of January, and the terms of Senators and Representatives at noon on the 3d day of January, of the years in which such terms would have ended if this article had not been ratified; and the terms of their successors shall then begin.

Section 2. The Congress shall assemble at least once in every year, and such meeting shall begin at noon on the 3d day of January, unless they shall by law appoint a different day.

Section 3. If, at the time fixed for the beginning of the term of the President, the President elect shall have died, the Vice President elect shall become President. If a President shall not have been chosen before the time fixed for the beginning of his term, or if the President elect shall have failed to qualify, then the Vice President elect shall act as President until a President shall have qualified; and the Congress may by law provide for the case wherein neither a President elect nor a Vice President elect shall have qualified, declaring who shall then act as President, or the manner in which one who is to act shall be selected, and such person shall act accordingly until a President or Vice President shall have qualified.

Section 4. The Congress may by law provide for the case of the death of any of the persons from whom the House of Representatives may choose a President whenever the right of choice shall have devolved upon them, and for the case of the death of any of the persons from whom the Senate may choose a Vice President whenever the right of choice shall have devolved upon them.

Section 5. Sections 1 and 2 shall take effect on the 15th day of October following the ratification of this article.

Section 6. This article shall be inoperative unless it shall have been ratified as an amendment to the Constitution by the legislatures of three-fourths of the several states within seven years from the date of its submission.

Encoded Optional Feature List (ATi10)

Code	Feature	Added AT Commands & Result Codes
101	Fax CLASS 1	Normal CLASS 1 Command Set
104	Fax CLASS 2	Normal CLASS 2 Command Set
105	Fax CLASS 2.0	Normal CLASS 2.0 Command Set
115	CCITT v.17 (14.4 Fax)	See Above
120	Worldwide PSTN Support	%TTnn PTT Cert. Test Signals
	*NC?	Display Country Config.
	*NCn	Change Country Config.
	*Zn	
121	CCITT v.23	%Fn (1-3)
	%F1	75T/1200R
	%F2	1200R/75T
	%F3	v.23 HALF DUPLEX
	Adds These Result Codes:	
	Numeric Verbose	
	22	CONNECT 1200TX/75RX
	23	CONNECT 75TX/1200RX
	44	CARRIER 1200/75
	45	CARRIER 75/1200
	See Software Doc.s	
122	CCITT v.25	
123	Blacklisting	*B Display Blacklisted #s
	*D	Display Delayed #s
	Adds These Result Codes:	
	24	DELAYED
	32	BLACKLISTED
124	Access Security	*C Enb. Sec. Acc. & Req.PW
	*E	Exit Sec. Access
	*L	List PW & CB directories
	*P	Stores PassWords
	*R	Request Sec. Acc. Mode
140	CCITT v.32bis (14.4 Data)	See Above
141	Silent Answer	See Above
142	Caller ID	See Above
143	MNP 10	-B Forced FB to 1200
	-C	MNP10 Sync Mode
	-C1	MNP10 Async Mode
	-C2	MNP 2
	-C3	MNP 3
	-K	No LAPM to MNP10 Conv.
	-K1	Conv. LAPM to MNP10
	-Q	FB to v.22/v.22bis
	-Q1	No FB to v.22/v.22bis
	-Un	Tx Level Change during FF
	-U0	auto attn to -10dBm
	-U1	auto attn to -18dBm
	-U2	auto attn to -22dBm
	-U3	auto attn to -25dBm
	-U4	Force 2400 to -10dBm
	-U5	Force 2400 to -18dBm
	-U6	Force 2400 to -22dBm
	-U7	Force 2400 to -25dBm
	JM	Tx fixed at -10dBm
	JM1	Tx attempt Tx < -10dBm
	*H0	Link Neg. at Top Speed
	*H1	Link Neg. at 1200
	*H2	Link Neg. at 4800
144	MNP "Cellular"	
145	AutoSync	
146	Enhanced Configuration Display	IS Enhanced Display Codes
160	Voice Processing	

Amendment XXI

(1933)

Section 1. The eighteenth article of amendment to the Constitution of the United States is hereby repealed.

Section 2. The transportation or importation into any state, territory, or possession of the United States for delivery or use therein of intoxicating liquors, in violation of the laws thereof, is hereby prohibited.

Section 3. This article shall be inoperative unless it shall have been ratified as an amendment to the Constitution by conventions in the several states, as provided in the Constitution, within seven years from the date of the submission hereof to the states by the Congress.

Amendment XXII

(1951)

Section 1. No person shall be elected to the office of the President more than twice, and no person who has held the office of President, or acted as President, for more than two years of a term to which some other person was elected President shall be elected to the office of the President more than once. But this article shall not apply to any person holding the office of President when this article was proposed by the Congress, and shall not prevent any person who may be holding the office of President, or acting as President, during the term within which this article becomes operative from holding the office of President or acting as President during the remainder of such term.

Section 2. This article shall be inoperative unless it shall have been ratified as an amendment to the Constitution by the legislatures of three-fourths of the several states within seven years from the date of its submission to the states by the Congress.

Amendment XXIII

(1961)

Section 1. The District constituting the seat of government of the United States shall appoint in such manner as the Congress may direct:

A number of electors of President and Vice President equal to the whole number of Senators and Representatives in Congress to which the District would be entitled if it were a state, but in no event more than the least populous state; they shall be in addition to those appointed by the states, but they shall be considered, for the purposes of the election of President and Vice President, to be electors appointed by a state; and they shall meet in the District and perform such duties as provided by the twelfth article of amendment.

Section 2. The Congress shall have power to enforce this article by appropriate legislation.

Amendment XXIV

(1964)

Section 1. The right of citizens of the United States to vote in any primary or other election for President or Vice President, for electors for President or Vice President, or for Senator or Representative in Congress, shall not be denied or abridged by the United States or any state by reason of failure to pay any poll tax or other tax.

Section 2. The Congress shall have power to enforce this article by appropriate legislation.

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Let us know several weeks in advance. For some reason the post office doesn't forward magazines, so you may miss an issue if you don't let us know in advance about your new address. Include your address label with correspondence.

Blacklisted! 411

Section 1. In case of the removal of the President from office or of his death or resignation, the Vice President shall become President.

Section 2. Whenever there is a vacancy in the office of the Vice President, the President shall nominate a Vice President who shall take office upon confirmation by a majority vote of both Houses of Congress.

Section 3. Whenever the President transmits to the President pro tempore of the Senate and the Speaker of the House of Representatives his written declaration that he is unable to discharge the powers and duties of his office, and until he transmits to them a written declaration to the contrary, such powers and duties shall be discharged by the Vice President as Acting President.

Section 4. Whenever the Vice President and a majority of either the principal officers of the executive departments or of such other body as Congress may by law provide, transmit to the President pro tempore of the Senate and the Speaker of the House of Representatives their written declaration that the President is unable to discharge the powers and duties of his office, the Vice President shall immediately assume the powers and duties of the office as Acting President.

Thereafter, when the President transmits to the President pro tempore of the Senate and the Speaker of the House of Representatives his written declaration that no inability exists, he shall resume the powers and duties of his office unless the Vice President and a majority of either the principal officers of the executive department or of such other body as Congress may by law provide, transmit within four days to the President pro tempore of the Senate and the Speaker of the House of Representatives their written declaration that the President is unable to discharge the powers and duties of his office. Thereupon Congress shall decide the issue, assembling within forty-eight hours for that purpose if not in session. If the Congress, within twenty-one days after receipt of the latter written declaration, or if Congress is not in session, within twenty-one days after Congress is required to assemble, determines by two-thirds vote of both Houses that the President is unable to discharge the powers and duties of his office, the Vice President shall continue to discharge the same as Acting President; otherwise, the President shall resume the powers and duties of his office.

Amendment XXVI

(1971)

Section 1. The right of citizens of the United States, who are 18 years of age or older, to vote, shall not be denied or abridged by the United States or any state on account of age.

Section 2. The Congress shall have the power to enforce this article by appropriate legislation.

CORDLESS PHONE FREQUENCIES

Channel	Frequency	Channel	Frequency
1	46.61 & 49.67	2	46.63 & 49.845
3	46.67 & 49.86	4	46.71 & 49.77
5	46.73 & 49.875	6	46.77 & 49.83
7	46.83 & 49.89	8	46.87 & 49.93
9	46.93 & 49.99	10	46.97 & 49.97

The chart to the left is a list of the two channel cordless phone frequencies. They are a paired network, however if you have a cordless phone that does work on the paired basis, for example 46.93 & 49.99, by monitoring just the 46.93 frequency will provide both sides of the conversation. Monitoring the other end 49.99 would be just the person using the cordless phone. This only works on cordless phones using the 46 Mhz paired scheme.

The older cordless phones worked mainly on the 49 Mhz. band, these versions only radiate the person using the cordless phone, to monitor the other side of the conversation you have to have a Short Wave Radio and slowly tune between 1.5 & 1.9 Mhz. You will notice at trying to tune in with the SW that you get a lot of static, this is one of the main reasons that they switched to the 46/49 paired scheme, to get a clearer reception on cordless phones. That is for the owner of the Cordless Phone, not a monitor...

Baby Coms or Room monitors are used mainly to monitor a babies room, to see if the baby needs something. However uses for these little gadgets could be anything for instance surveillance...

Baby Coms also use the 49 Mhz spectrum, most notably on:

49.830 49.845 49.860 49.875 49.890

Baby Coms are quiet sensitive, quiet sensitive, usually meaning that other areas of a house that has one are transmitting into the Mic. Get my drift?? It is sometimes very funny.. Cruise around and give a listen....

Another device that uses the 49 Mhz band is the line of personal communicators, the best known is Maxon. These little radios are very valuable to have. They are very inexpensive and a ordinary store model will have a range of up to 1/4 of a mile.. They work on the same band settings as do Baby Coms 49.83 - 49.89

My Maxon communicators are always charged and ready to go, for ex ample, long ago when my Satellite Dish would go out of line due to a storm or something, I'd have to run out there and at each little adjustment stop and yell into the house, now-a-days we slap a couple Maxons on and the dish is set in minutes..

One nifty model that Maxon came out with is there Ear-Mic. models which the microphone and the earphone are one piece that fits in your ear, the same way as a normal earphone does. As you speak your vocal cords vibrate this vibration is actually what you are speaking, anyway it reverberates inside your head and the ear Mic. picks these sounds up. Really it works, this method has been in use for many years, notice that you only see an earphone in Agents ears, there using this type of system... Anyway all you have to do is whisper and the person with the other communicator will hear you..

Want to have some fun??? Well as you can see the Maxon Communicators use the exact same frequencies that Baby Coms do.... Hmmm.... do you have a friend with a Baby Com? Well late at night drive near his house and turn your Maxon on and make some weird noises or whatever you want to do.. Note make sure you know his babycom frequency, so you can set your Maxon to it...

Communicators like the Maxons can be bought anywhere nowadays, for instance, Radio Shack has them under there name, but Maxon sales to them.. You can buy several types, handhelds, headset models and even base models. Don't even get one that has only one or two channels, get the versions that cover all five...

Maxon Communicators exact frequencies are:

A - 49.83 B - 49.845 C - 49.86 D - 49.875 E - 49.89

There is not much that you can do internally to soup up the juice on these babies, I did see a circuit for making a preamp and will make a file on that in the future. Things you can do are this. On the Handhelds what I do is take out the factory antenna and I mount a BNC Jack onto the frame you can then use a wide variety of antennas on the market. I have one on the car and one up in the tangle of antennas in my trees.. I also use a whip for walking with the handheld. As for the Base, definitely add a BNC jack and an outdoor base...

This month's CoDeD mEssaGe!

Can you decipher it?

03478 12569 12479 12568 02468
02478 02569 02479 02469 12569
12479 02569 02468 13469 03579
12569 12478 02569 02468 12469
02469 12478 02469 03578 03579
03469 02568 02468 02568 03579
02569 12479 03578 12568 02468
03569 02569 02469 03578 02468
12568 03468 02569 13469 02468
02469 12478 02568 03578 12568
02468 03579 12569 12568 02468
12568 03579 02468 02579 02569
12568 02468 13469 03579 12569

Computer Software Copyright Information

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It is not necessary to register the work with the Copyright Office in Washington, D.C. to get copyright protection. In fact, it is not necessary to put the copyright notice on to get protection, but the notice is required if you want to sue for infringement, as is registration with the Copyright Office. If the omission of the notice was inadvertent or distribution was for a limited purpose only (like to one's family or a friendly group get together) the lack of notice does not cause any harm. However, the absence of the notice will allow anyone who copies your program to claim it was placed in the public domain for all to use for any purpose. Only the copyright can be licensed and if the other fellow doesn't know you are claiming a copyright, he can claim innocence in this copying. Registration is simple. Just send a note off to the Copyright Office, Library of Congress, Washington, D.C. and ask for the forms needed to register a computer program. They will send you a package of stuff which will include the forms and instructions on how to file for registration. Fill out the form, send it back with two copies of your printout showing the copyright notice on it and \$10 and soon the Copyright Office will send you a certificate saying the program is registered.

That's all there is to it!

Copyright should not be confused with patent. Patents have to be original invention and protect the idea embodied in an object or machine. Copyright protects any kind of a literary, musical, or artist work, including all kinds of graphics and sculpture. It also protects recorded audio and visual works such as phonorecords and videotapes and films.

Neither type of protection guarantees no one will steal your effort, any more than the police department guarantees no one will burgle your house. The law against burglary and the law against copyright infringement, however, give the owner of the house or the copyright a kind of right to recover from the thief. Better chance, too, in the case of a software thief who copies for commercial purposes!

A copyright will not protect your fine idea for bit-twiddling - it will protect your expression of it - that is, no one can copy your program directly, although they can do some bit-twiddling themselves to accomplish the same purpose you aimed at. For example, no one can copyright the idea of the play "Romeo and Juliette" of a pair of lovers whose families are feuding. But Romeo and Juliette could have been copyrighted by William Shakespeare and anyone who used his lines in another play about the same thing or a similar thing would have infringed his copyright.

Is that clear? Or just confusing? Well, Einstein's theory, E = MC² could not be either patented (it is a natural law) or copyrighted (it is an idea) but Albert's book about his theory could be, was, and is copyrighted!

If it comes down to protecting your program through a lawsuit, it is necessary to have the notice and the registration. The registration is prima facie evidence of the validity of your copyright. And should you succeed in proving your copyright, the court will issue an injunction against a copier without permission, will ultimately give you either his profits, your losses (should you start selling the program yourself), and your attorney's fees if he was an intentional infringer. It could be a good deal for you, if your program is really great - and some that have been seen on the BBS's are great!

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CATALOG OF THE CULTS

Ahmadiyya Movement - Founder: Hazat Mirza

"Jesus was not a partner in the Godhead, as was not Jacob. Both of them were beloved prophets of God" (True Christianity and How it Leads to Islam).

American Atheist Center - Founder: Madalyn Murray O'Hair

"There is no God, thus Jesus is not the Son of God."

Ananda Marga Yoga - Leader: Shrii Shrii Anandamurti

Jesus is considered God, but there is no Trinity. "Be constantly absorbed in the thought of God and you too will become God." (Baba's Grace-Discourses of Shrii Shrii Anandamurti).

Anthroposophical Society - Leader: Rudolf Steiner

"According to Steiner, Jesus of Nazareth was just an ordinary man until, at the age of thirty, he received the Christ-Essence during his baptism at the Jordan" (Spiritual Counterfeits Project in Berkeley, CA : Letter, Feb. 1977) Steiner was an occult medium who interpreted the Bible through clairvoyance.

Arica - Leader: Oscar Ichazo

"The point of Arica is enlightenment, man's transcending from the state of ego into what's known as the void. This is a state of consciousness ... It's not God. It's God Consciousness." Ancans blend physical exercise and meditation. God is formless, thus Christ cannot be God (Awakening Ways to Psycho-Spiritual Growth, C. William Henderson).

Assemblies of Yahweh -

"John 2:19) is sometimes presented as evidence that Yahshua is the Almighty, that He is co-equal with His Father, and that He had the power to resurrect Himself. This, of course, is a false, trinitarian concept" (The Sacred Name Broadcaster, Lincoln Frost). "We find the trinitarian doctrine to be foreign to the Inspired Scriptures." (Doctrine #5).

Baha'i World Faith -

"Baha', an independent world religion based on "a unique revelation of God," traces its roots to an early division within Islam. God, called by different names, is one but unknowable. Christ was a "manifestation" of God and a way to God, but not the ONLY way to God.

Bawa Muhaiyaddeen Fellowship - Leader: Bawa Muhaiyaddeen

"God is a secret and a mystery, but man is also a mystery. Only God can see God. So if man is to see God, he must become God. Man becomes God, and God becomes man. It's no big deal," says Bawa. (Psychology, April, 1976).

Black Muslim - Leader: Wallace D. Fard (Allah-God) and Elijah Poole

(Elijah Muhammad - Fard's prophet)

Also called "The Nation of Islam." Elijah Muhammad said that Jesus was "only a prophet and not the equal of Moses and Muhammad, and His religion was Islam, not the Christianity of the Pope of Rome." (Pittsburgh Courier, 1959).

Buddhism (Hinayana Buddhism and Mahayana Buddhism) -

"In Hinayana Buddhism there is no god as we conceive of God ... The followers of Mahayana Buddhism tend to deify Buddha. Their idea of God, however, has no such comprehensive attributes as has the Christian God" (Religions in a changing World, Howard F. Vos). This eliminates the possibility of Jesus as a deity.

Cabala (Kabbalah) -

Cabala is a system of Jewish Mystical thought which originated in Southern France and Spain in the 12th and 13th centuries. The Cabala doctrine of deity recognizes only two deities - the hidden god, the infinite great divine Nothing, and the dynamic god of religious experience (Spiritual Counterfeits Project).

Center for Spiritual Awareness - Leader: Roy Eugene Davis

Also called: Christian Spiritual Alliance. Buddha, Sri Krishna, and Jesus were enlightened souls. "The second coming of Jesus is a fanciful hope. The awakening of individuals to the realization of their own Christ-nature is what will liberate man and transform society" (Darshan: The vision of Light, Roy E. Davis). Jesus was a man who reached Christ-consciousness and was on earth to share the truth of this consciousness.

Children of God - Leader: David Brandt Berg (Moses David)

Started as a fundamentalist counter-culture ministry, but degenerated into belief in the occult, reincarnation, and sexual permissiveness. The COG believes that Berg is the ONLY end-time prophet; that the COG is the remnant church of the last days; that its authority is absolute, and in the use of blasphemy, profanity, vulgarity, and pornography. (Moody Monthly July/August 1977).

Christian Scientist - Founder: Mary Baker Eddy

Jesus was a mere man who demonstrated the Christ (i.e. a divine idea). It doesn't matter whether Christ ever existed, and His blood doesn't cleanse from sin. (Science and Health with Key to the Scriptures, The First of Christ Scientist and Miscellany, both by Mary Baker Eddy).

Church of the Living Word - Leader: John Robert Stevens

Also called: THE WALK. "Jesus Christ came to participate in humanity and make the bridge of communication so that God could communicate himself into our very beings. What He is, we become" (The Word Became Flesh, a Living Word Publication). According to Stevens, this begins with contemporary revelations which make the Living Word (Christ) to the World. Although some acknowledgement is made of the inspiration and authority of the Scripture, in practice the source of teaching is current revelation, not the Bible. Stevens considers himself God's chief intercessor.

Church Universal and Triumphant - Leader: Elizabeth Claire Prophet

Also called: Summit International or Summit Lighthouse. The Church Universal and Triumphant is a mixture of eastern religions, Theosophy, Christianity, and many other things. Elizabeth is recognized as one of the two witnesses of Revelation 11. Her late husband and founder, Mark, is considered a man that had the Christ Consciousness within him. He was one of many who achieved the "God self" witness.

Dhyana-Mandiram - Leader: Pandit Usharbudh

"God is essentially formless ... God may manifest Himself-Herself-Itself in any form, at any time, at any place, on any planet... Jesus may be accepted as one of the many incarnations of God." (Hinduism: An Introduction, Pandit Usharbudh and Yorke Crompton).

Frequencies used by the Magic Kingdom

142.98	Monorail
151.745	Hotel
154.57	Submarines
154.6	Steam Train
154.625	Pager
464.0375	Ride Control
464.325	Security
464.4125	Maintenance/Custodial
464.4625	Security
464.4875	Parking & Operations
464.5125	Special Events/Fireworks
464.5375	Maintenance
464.575	Hotel Security
464.6375	Emergency
464.6425	Security
464.7625	Monorail

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Divine Light Mission - Leader: Guru Maharaj Ji

• Guru Ji is the Living Perfect Master. Jesus was the Perfect Master of His time, but Ji has replaced Him. Ji claims the world needs the knowledge of Reality, and he claims to be the source of that knowledge and of peace in the world, according to David J. Hesselgrave, Trinity Evangelical Divinity School.

ECKANKAR - Leader: Sri Darwin Gross

• ECKANKAR says it is the wellspring and essence of all religions, philosophies, and sacred doctrines. It claims to be the way to God-realization via the "ancient science of soul travel." ECKANKAR makes the biblical God into a demon who as creator is responsible for the evil in the world and defines Christ as "god as all men are god" ("Eck World News, December, 1978, page 13).

Findhorn Foundation University of Light - Leaders: Peter and Eileen Caddy

• "The Deiv (Deva is a being of light) would emphasize that man has to do one thing to reverse the trend of events on the planet: he has to recognize within himself the Divinity and wholeness of which he is a part" (The Magic of Findhorn, Paul Hawken). They separate Jesus and Christ and appear to be pantheistic. The group, a form of spiritism, became famous because the Findhorn community in Scotland has a producing garden near the Arctic Circle which is supposedly taken care of by plant spirits.

Freemasonry -

• "... We tell the sincere Christian that Jesus of Nazareth was but a man like us" ("Morals and Dogmas" by Albert Pike in how to Respond to the Lodge).

Hare Krishna - Founder: Chaitanya Mahaprabhu

• Also called: International Society of Krishna Consciousness (ISKCON). To the Krishnaites, the world is not real; it's illusion. Salvation comes by chanting the name of their god, Hare Krishna, at least 1,728 times daily. They believe in the literal interpretation of the Hindu scriptures, but they also accept the Bible as one of the scriptures. They consider Jesus one of their gurus.

"I AM" MOVEMENT - Leader: Guy Ballard (Pen Name: Godfrey Ray King)

• Jesus, a man, developed the I AM/GOD SELF within himself. This almighty I Am presence is a pure reservoir of energy stationed over the head which can be drawn on at will. Jesus is seen as one of the many Ascended Masters. They do not recognize the Trinity. This cult is an off-shoot of the Theosophical Society. Its modern form is called the Summit Lighthouse or Church Universal and Triumphant. However, the "I Am" movement still exists as an independent organization (The "I Am" Discourses, Saint Germain Press).

Iglesia Ni Cristo - Leader: Felix Manalo

• "We believe in Jesus Christ, but we do not believe that He is True God. We believe in only one true god, the god of creation. Jesus Christ is a great savior and was commissioned by God to be the savior." ("Research Center Bulletin," Far East Broadcasting).

Inner Peace Movement - Leader: Rev. Francisco Coli, DD

• A form of spiritualism and spiritism combining ESP, astro-projection, psychic phenomena, etc., they introduce seven levels of consciousness. Christ consciousness is the highest. Jesus had reached Christ Consciousness and taught this while on earth. Jesus was a man. They separate Jesus and Christ. God is impersonal and spoken of as The All, The Cosmos, and The Universe (Every Wind of Doctrine, Hobart Freeman).

Integral Yoga Institute - Founder: Swami Sachidananda

• "There are not many gods; there is only One. And that One has no name, no form, no place. (Thus Christ is not God.) He is everywhere- in actuality, neither he, nor she, nor it ... The two sides are positive and negative, light and shade. Evil is also God," says the Swami (The Youth Nappers, James C. Hefley).

Islam -

• Christ was a prophet of Allah, but was superseded by Muhammad's teachings and authority.

Jainism - Founder: Mahavira

• "Jainism begins by denying the existence of an external supreme being, creator, or Lord, who is the mainstay of the universe. (Thus, no Christ.) For these non-theistic humanists, there is no need to assume a First cause." (Religions in a Changing World, Howard F. Vos)

Jehovah's Witnesses -

• Jesus is a created being, Michael, the first creation of Jehovah and the "Son of God."

Laymen's Home Missionary Movement - Leader: Raymond J. Jolly

• Similar to the Jehovah's Witnesses, they deny the physical resurrection of Jesus Christ. "John 4:24 - God is a Spirit. Luke 24:39 - A Spirit hath not flesh and bones ... In the first place, God directly tells us that Jesus is now a spirit being" (Epiphany Studies in the Scriptures). "Trinitarians have grossly mistranslated and miscapitalized this passage to read their trinitarianism into it, as they have done in other cases. The proper translation shows that Christ is not Jehovah ... He is Jehovah's appointed Savior for the world, not Jehovah Himself." (Epiphany Studies in the Scriptures-Series 1).

Liberal Catholic Church - Leaders: Charles W. Leadbeater and Vincent M. Matthews

• "Obviously, God is not and cannot be a person. (Thus, no divine Christ). The persons of the Holy Trinity are representatives or masks for the One God who is beyond individuality; is unlimited; eminent; and transcendent" (The One Existence, E.M. Matthews). The LCC is independent of the Roman Catholic Church and blends elements of theosophy and pantheism (These Also Believe, Charles Samuel Braden).

Megiddo Mission - Founder: Rev. L.T. Nichols

• "Christ, Emmanuel, 'God with us,' is not the eternal God but the Son of God, conceived of the Holy Spirit, born of a virgin, but wholly human in his nature - Matthew 1:23, Hebrews 2:16,17 ... "(History of the Megiddo Mission, published by Megiddo Mission Church).

Mormons - Founder: Joseph Smith, Jr.

• Also Called: Church of Jesus Christ of Latter-Day Saints. Jesus is a pre-existent spirit, also the Father, one of many gods. Christ was God-man, and men can be just like him (Mormon Doctrine, Bruce McConkie).

Nichiren Shoshu Soka Gakkai -

• Soka Gakkai substitutes Gautama Buddha and Nichiren for the True God and replaces the Bible with the Lotus Sutra, a false scripture. Soka Gakkai translates to "Value Recreation Society" ("Views on Christ," John Weldon).

Peace Mission Movement - Leader: Father Divine (George Baker)

• Baker distinguishes between Jesus and Christ. "I say B.J. not B.C. because it was before Jesus yet, in my opinion, it was not before Christ" (The New Day, September 1, 1945). "Jesus, he (Baker) seems at times to regard as merely the temporal and physical embodiment of the Christ" (These Also Believe, Charles Samuel Braden). Baker has claimed to be God and the Holy Spirit. There are also references in Baker's writings to indicate that Jesus is God (Kingdom of the Cults, Walter Martin).

Psychiana - Leader: Frank B. Robinson

• "At no time has God, nor will God, manifest Himself on this earth or anywhere as a person ... Jesus was no more than a human acting out the God-power" (They Have Found a Faith, Marcus Bach).

Radhha Soami Society - Leader: Charan Singh

• God is seen as attributeless, formless, and impersonal without personality and name, although they give "him" the qualities of love, grace, wisdom and power. The Society asserts that there are countless gods and goddesses, lords, rulers and governors in the universe (The World of Gurus, Vishal Mangalwadi), thus Jesus Christ is not Lord of Lords.

Rajneesh Meditation Centers - Leader: Bhagwan Shree Rajneesh

• "But God (thus, Christ) is not a person. God is the process ... Existence is without cause ... In the beginning, there is no cause so in the end there can be no purpose" (Beyond and Beyond, Acharya Rajneesh).

Rosicrucianism -

• Jesus was a reincarnated man, the highest luminary possible. The Christ spirit in Him was a manifestation of the cosmic Christ ("Rays from the Rose Cross," December, 1978).

Ruhani Satsang - Leader: Kirpal Singh

• Jesus Christ was essentially a man of the East, and his teachings are imbued with oriental mysticism. It is even speculated that he spent many of his early years in India and learned from the Yogins and Buddhist monks" (The Crown of Life, Kirpal Singh).

Sacred Mushroom of the Cross - Leader: John Allegro

• Christ was a mushroom (Sacred Mushroom of the Cross, John Allegro).

Sanatana Dharma Foundation - Leader: Yogeshwar Muni

• (Also called Kayavarohan) Jesus is a man who achieved a divine state through meditation. Sanatana Dharma is considered the eternal path to truth leading to fulfillment and divinity. "Thus men, for the first time on Earth, could achieve the God level not only in concept, but in physical manifestations as well" (Vishvamitra Newsletter).

Satanism -

• The introduction to the satanic bible says, "What amuses us most is that you indicate that a mere command to Satan in Jesus' name is sufficient to dismiss him. The Prince of Darkness regards both God and Jesus Christ as figments of man's more infantile imagination, at least insofar as their supposed power is concerned. God is dead, and Christ was but a man" (Every Wind of Doctrine, Dr. Hobart Freeman).

Scientology - Founder: L. Ron Hubbard

• Hubbard claims to have found the spiritual technology to dispense the one "true way" to man. It is a process working through levels of self-knowledge and knowledge of past lives to awaken the primordial deity within until a person is able to regain total godhood. Christ is a man "who achieved a 'state of clear' but not the higher state of 'Operating Thetan'" ("Certainty" magazine, Vol 5, No 10)

Self-Realization Fellowship - Leader: Paramahansa Yogananda

• Group also called "Yogoda Satsanga Society." Separates Jesus and Christ. Jesus was indwelt by the Christ Consciousness. "Let the omniscient Christ Consciousness come to Earth a second time and be born in you, even as it was manifested in the mind of Jesus" (Metaphysical Meditations, SRF Publishers)

Shintoism -

• "Deity is spirit, without form, unknowable ... changeless, eternal, existing from the beginning of Heaven and Earth up to the present, unfathomable, infinite ..." (Source of Japanese Tradition, Vol 1, editor William Theodore De Bary)

Shree Guru Dev Siddha Yoga Ashram - Leader: Swami Muktananda Paramahansa

• Also called "Sikha Yoga Dham." This is a self realization group whose leader claims to be god. "This is the praise of the all-pervasive, formless, unmanifest, Absolute Being who manifest Himself in a thousand forms ... Above all, you will receive Divine Grace and finally realize your own divinity." Rejects God manifesting Himself in Jesus Christ (Songs of God, Guru, Self - Kabiraj)

Sikhism - Founder: Nanak

• Sikhism developed an abstract and mystical monotheism. God is formless, sovereign, unknowable and absolute. However, a righteous person can call upon the grace of Sat Nam - God. If a person reaches salvation, which is by works, he absorbs into God. Rejects the idea that God revealed in the Person of Jesus Christ (Cults, World Religions and You, Kenneth Boa).

Sivananda Yoga Vedanta Centers - Leader: Swami Sivananda

• Also called "International Sivananda Yoga Society." God (or Christ) is not a person or spirit, but Consciousness. He is sometimes reborn as a man, other times as an animal, plant, or even inanimate object. (The World of Gurus, Vishal Mangalwadi).

Spiritual Advancement of the Individual Foundation. - Leader: Sri Satya Sai Baba

• Jesus Christ is seen as an "Avatar," a deity descended to earth in bodily form. Sai Baba is Jesus Christ who was returned. Man, according to Baba, is Atman - Self or God. Man is under an illusion so that he forgets that he is God. Baba also teaches that God is ultimately without attributes (The World of Gurus, Vishal Mangalwadi).

Spiritual Frontiers Fellowship - Founder: Arthur Ford and others

• "There was no Christ 2,000 ago. There was a man 2,000 ago through whom the Anointed One was able to manifest. The man died, Christ lived, and as the Holy Spirit has been helping ... The Divine Mind or the Concept of God has within himself all the faculties or qualities of both male and female. There can be no creative expression, there can be no life without these two qualities. So God is neither man nor woman." Ford, a former Christian minister, made these comments during a seance March 18, 1965 (Unknown but Known, Arthur Ford).

Spiritualist -

• Jesus was an outstanding Jewish medium (Kingdom of the Cults - Walter Martin).

Sri Chinmoy Centers - Leader: Sri Chinmoy

• God is seen as Consciousness and Light. Realize the divinity within you. "It is not because of his (Jesus') miracles that he is worshipped, but because he brought down the eternal Consciousness, the infinite Consciousness" (Kundalini: The Mother Power, Sri Chinmoy).

Still Point Institute - Leader: Sujata

• Christ is an evolutive god, a cosmic Christ. A heavy influence of Zen Buddhism negates the personal God (The Still Point, William Johnson).

Subud - Leader: Muhammad Subuh (Bapak)

• God is a "Great Life Force that flows through everything and everyone. It is impersonal." (Thus no divine Christ.) God is felt through "latihan" which is an inner vibration. The objective in Subud is to become passive so that you can experience and feel latihan (New Gods in America, Peter Rowley).

Sufism - Leader: Pir-O-Murshid Hazrat Inayat Khan

• God is an "Abstract Sound" which is the creative life principle in all of nature. "The goal of Sufism is union with God in this life." Because of its link with Islamic philosophy, it would not consider Jesus as God (Awakening Ways to Psycho-Spiritual Growth, C. William Henderson).

Swedenborgism - Founder: E. Swedenborg

• A form of spiritism which also denies the person of the Holy Spirit. He is called an efficiency or sanctifying influence. "We ought to have faith in God the Savior Jesus Christ, because that is the faith in the visible God in Whom is the Invisible; and faith in the visible God, Who is at once Man and God, who enters Man" (True Christian Religion, E. Swedenborg).

Taoism - Greatest philosopher: Chuang Tzu

• "There is no personal Creator-God" (Cults, World Religions and You, Kenneth Boa).

Tarotology -

• The most serious form of cartomancy (divination by cards). It has been linked with magic, numerology, astrology and other cults. For all the languages about God, Spirit and the Truth of God, the God and Truth of Tarot are in no way those of Jesus Christ. It is an idolatrous system (Dennis Hessegrave, Trinity Evangelical Divinity School).

The Farm - Leader: Stephen

• An eastern mysticism commune in Summertown, TN. Jesus, a teacher, was a good man indwelt with Christ Consciousness. "In the telepathic medium of the Holy Spirit, Christ consciousness, Buddha consciousness, call it what you will, exist all the time. ... You don't have to call it Jesus or Buddha or Krishna, it's the consciousness" (Hey Beatnik! 1974).

The Foundation Church of the Millennium - leader: Father John

• Denies the deity of Jesus Christ. It is an off-shoot of or the front for the Process Church of the Final Judgement (below) although they deny affiliation. They were both founded in September, 1966; began in Xtul, Mexico; listed their midwest address as 1529 N. Wells Street, Chicago, IL; and have both since moved.

The Holy Order of MANS - Leader: Earl Blighthon

• Holds the occult-eastern view that Jesus was a great teacher, but merely a man who attained an impersonal kind of "Christ Consciousness." They separate Jesus and Christ. They believe all can attain Christ-Consciousness (Spiritual Counterfeit Project, Berkeley, CA).

The Himalayan International Institute of Yoga Science and Philosophy. - Founder: Swami Rama

• "In order to become true members of the Church of Christ, a person must know not who Jesus was, but what Christ is. Christ, Ishvara, is the very personal force pervading the universe that guides and illuminates every aspirant ... It is not an embodied person, but rather a force in which all individual beings are divine sparks ..." (Meditation in Christianity, Dr. Pandit Arya). Swami Rama has said, "Jesus Christ was perhaps the greatest of all Yogis."

The Process Church of the Final Judgement - Founder: Robert De Grimston

• Jesus is a mere man. "The Processseans believe in three gods: Jehovah, Lucifer, and Satan" (Sata's Devices, Kurt Koch).

The 3 HO Foundation - Leaders: Yogi Bhajan and Guru Ram Dass

• The 3 HO means Happy, Health and Holy. "What is God? ... He is cosmic energy ... He is yin-yang, He is positive and negative. He is male, female ... When you say cosmic consciousness, you mean God ... You are God ... God is you. Man has never realized he is God ... God is a stick ... God is a cup ... God is a woman" (The Teachings of Yogi Bhajan, Bhajan).

Unification Church - Leader/Fonder: Sun Myung Moon

• Moon states that God has dual qualities - spirit and energy. God is a personal being with consciousness, intelligence, love and purpose. Salvation can come only through the Messiah who achieves perfection, marries, and has perfect offspring. Christ, Moon says, was to do this, but He failed because he died before he could marry. Because He was resurrected, Moon says, Jesus did redeem man spiritually. The physical redemption of man will happen through a second Messiah, but not Christ. The implication is that Moon is the second Messiah. (Moody Monthly, July 1977)

The Way International - Leader: Victor Paul Wierwille

• A very close counterfeit of Christianity. They believe in God, the Bible, Jesus Christ, salvation, and eternal life, but not the Trinity. Jesus is NOT God, and the Holy Spirit is a synonym for God (Jesus Christ is Not God, Victor Paul Wierwille).

Theosophist -

• Christ took the body Jesus, a man, to become a teacher. Eventually all men become Christ.

Transcendental Meditation - Leader: Maharishi Mahesh Yogi

• Also called "Spiritual Generation Movement," "Student's International Meditation Society," "TM." Maharishi says the reason for creation and individual life is the expansion of happiness. This is done by expanding one's consciousness through seven levels of consciousness. Jesus is considered an Enlightened One. Leaders have attempted to claim that TM is not a religion, but courts have ruled that it is, and the nature of its initiation rites prove that it is a Hindu derivative. (Meditations, Maharishi Mahesh Yogi).

Unitarians -

• Jesus was a man who believed in One God, not the Trinity.

Unity School of Christianity -

• Jesus was a perfect man, indwelt by the Christ Consciousness, present in every human being.

Vedanta Society - Founder: Swami Vivekananda

• Also known as "Ramakrishna Order." "They (gods) are human beings with extraordinary, original powers and entrusted with a Divine commission. Being heirs of Divine power and glories, they form a class of their own. To this class belong the incarnations of God, like Christ, Krishna, Buddha, and Chaitanya and their devotees of the highest order" (Hindu View of Christ. Swami Akhilananda).

Witchcraft -

• "Down through the centuries, many witches and sorcerers consider God and Satan as merely symbols of power, with no real existence as personalities" (Kingdom of Darkness, F.W. Thomas). Some witches may see Jesus as a wizard who was able to master natural and occult forces.

Worldwide Church of God - Leader: Hurbert W. Armstrong

• Jesus is a part of the godhead (God is a family) and men can become like Jesus and part of the God family - Sons of God. They do not believe in a closed godhead (TRINITY). The Holy Spirit is not considered a person, but the Father and the Son work through it. (Derivate cult - International Church of God. Leader: Son of Herbert, George, was disowned by his father and started this group that believes the same, but claims that the Worldwide Church lost its authority when Herbert divorced his wife.)

Zen Buddhism -

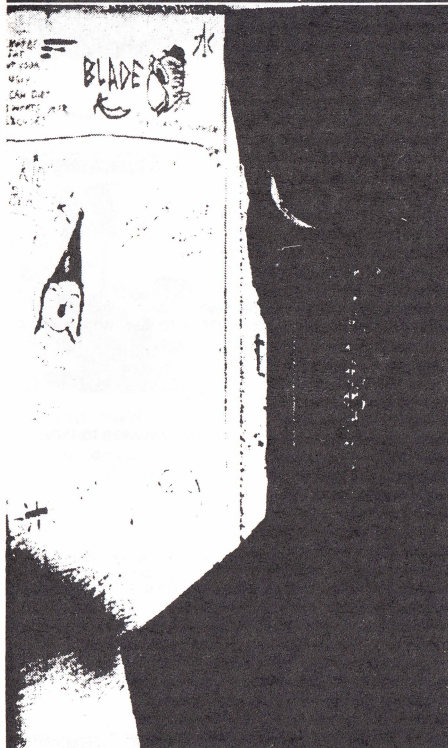
• "Since Zen does not affirm the existence of the living God, it is not only absolutely destitute of the special revelation of God in His Word, but is wholly alien to the God of revelation." says Lit-Sen-Chang (The Kingdom of the Cults, Walter Martin).

Zoroastrianism - Founder: Spitoma Zoroaster

• This is one of the first monotheistic religions in the world, and adherents of this religion are thought to have been the originators of the Wise Men from the East who searched out Jesus when He was born. This cult doesn't recognize a personal God. Their god, Ahura Mazda, is impersonal and has no physical nature (Cults, World Religions and You, Kenneth Boa)

*So, you've been thinking about writing us
a letter or article, huh?
JUST DO IT!*

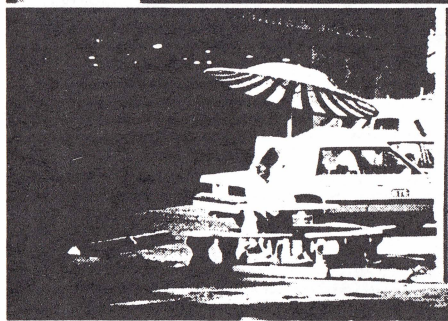
The Waaaaay kOOL Blacklisted! 411 Photo Gallery!



Kinko The Clown - (by P.B. Jumper - Paris, Ca) "Kinko The Clown" That's what we decided to title this first picture here for the absolutely stunning drawing of Kinko which you can clearly see. What we're looking at is a J-Box, located in the back of an apartment building, with the lid wide open. Note the backside of the lid on the left of the picture. You'll see many drawings and such. There is a quite lovely drawing of our favorite clown, Kinko, as you may notice. On the upper left-hand corner of the picture (and the lid) there's a quote....It didn't come out too well in our print, so we'll relay the quote to you. "I may be fat but your ugly. I can diet so what's your excuse?" There's also mention of a "Blade" and a small drawing of a sword to go along with it, and there's also a parrots head, with the catchy quote, "Poly wants women" written directly underneath it. There are some various terminal block numbers listed and other vague quotes, directed toward people working for the phone company, we suspect. As you can see here, there are normal (whacked out) people working for the phone company, too... Just as you'd find them at the local fast food hang out, you'll find them here, as well. Doing what they do best, which happens to be....you guessed it! Entertaining themselves with normal everyday childish graffiti. And, to top it off, they're doing this very thing on the property of the company for which they work. Funny, isn't it? We don't think it's a bad thing. We actually got a kick out of that Kinko The Clown bit. He's pretty cool, ya know! "Kinko Kinko, fun loving clown...." Hahaha. Ok, Thanks for sending in the Picture!! We enjoyed this one very much, Mr PB Jumper!! If you've got anymore stuff like this, send them in, by all means!! Keep them coming!

Tired of Working? - (by Phantom Stalker - Cypress, Ca)

What we have here in the second photograph of this months photo gallery is a telephone representative kicking back at a small table in the back area of one motherlode of a phone facility. It's interesting to see this man during his break, and the crude set-up constructed for his (and others like him) enjoyment.... But the most interesting part of what's in this picture is something you might not even notice. Behind the man at the table, behind the umbrella, behind the company vehicles, etc... there is a building. This building is obviously a repair/maintenance facility for the company vehicles which reside in this location. From the apparent size of the building, we approximate this facility to be one very large phone "depot". We estimate a minimum of 150-200 vehicles at this location. It's located in the Southern California Area, near Huntington Beach, we suspect. In any case, it's nice to know that the phone companies take care of their own vehicles. Wonder if they repair broken windows, too? haha. If this is the case, that guy sitting at the table sure does deserve the break he's taking!! What's odd about this shot is the angle at which it was taken. Either the person who took the picture is working for the phone company or that same person has the guts to sneak around through the bushes and risk being caught just to bring us back this special moment on film. Bravo!! Hahaha.



Wanted: Photographs!

If you have a photo of a payphone, local telephone company vehicle or building, local cable company vehicle or building, or some other interesting item, please send them to us along with a short "memo" explaining what it is that we're looking at! If you send a photo that we end up using in our magazine, we'll mention your name along with the photo.

Send to:

Blacklisted! 411 Photo Gallery

P.O. Box 2506

Cypress, Ca 90630

Just because you're paranoid, doesn't mean they're not out to get you!

Credit News

(Continued from page 12)

Error Messages:

IS SOCIAL SECURITY NUMBER A TYPO ERROR? SOCIAL SECURITY NUMBER OUT OF RANGE
 Social security number invalid because number in question has never been issued.
 IS SOCIAL SECURITY NUMBER A TYPO ERROR? SOCIAL SECURITY NUMBER REPORTED RETIRED
 Social security number invalid because it was assigned to a person who is now deceased.
 IS SOCIAL SECURITY NUMBER A TYPO ERROR? SOCIAL SECURITY NUMBER REPORTED MISUSED
 The social security number in question has been reported misused.

DTEC MB 2000 DIRECT OR COUPLER

1. HIT THE CREATE BUTTON
2. HIT "C" FOR CBI
3. TYPE IN 1 FOR ACCESS CODE - IF YOUR TERMINAL DOES NOT HAVE THIS GO ON TO NEXT STEP
4. TERMINAL WILL RESPOND REPORT TYPE
5. HIT "X" AND HIT RETURN
6. TERMINAL WILL RESPOND OTHER INFO-
7. TYPE DTEC-000-00-0000 (MAKE SURE TO PUT DASHES IN - DO NOT PUT A PERIOD AT THE END OF THE LINE)
8. HIT RETURN - TERMINAL WILL RESPOND TRANSACTION 2 - IF YOU HAVE MORE SOCIAL SECURITY NUMBERS TO RUN - GO AHEAD AND DO SO - IF YOU ARE FINISHED
9. HIT HELP/QUIT BUTTON - TERMINAL WILL RESPOND ?
10. HIT XMIT BUTTON - TERMINAL WILL RESPOND - TRANSMIT ALL REQUESTS
11. HIT "N" FOR NO - TERMINAL WILL RESPOND (CBI) (T)RW ETC.
12. HIT "C" FOR CBI - TERMINAL WILL RESPOND WITH USERS INITIALS
13. TYPE IN YOUR INITIALS AND HIT RETURN - TERMINAL WILL RESPOND TRANSMITTING CBI PHONE NUMBER
14. TYPE IN PHONE NUMBER FOR CBI 937-0232 OR 739-7600 BROWARD (IF YOU ARE USING AN OUTSIDE LINE YOU MAY NEED TO TYPE IN 90 BEFORE THE NUMBER)
15. HIT RETURN
16. TERMINAL WILL RESPOND CONNECTED AND AUTOMATICALLY SIGN YOU ON AND GIVE YOU THE NAME, ADDRESS AND SOCIAL SECURITY NUMBER OF YOUR SUBJECT

 OMIT STEP 9, STEP 10 AND STEP 11 IF YOU HAVE A CBI ONLY MB 2000

IF YOU ARE USING A COUPLER AT THIS TIME YOU WILL DIAL CBI - 937-0232 DADE OR 739-7600 BROWARD PUT PHONE ON THE COUPLER AFTER COMPUTER TONE IS HEARD - WHEN GREEN CARRIER LIGHT COMES ON - HIT RETURN ONCE - TERMINAL WILL SAY CONNECTED AND AUTOMATICALLY SIGN YOU ON AND GIVE YOU THE NAME, ADDRESS AND SOCIAL SECURITY NUMBER OF YOUR SUBJECT.

UP TO 4 RECORDS MAY BE DELIVERED. FORMER ADDRESS, EMPLOYMENT AND AGE INFORMATION PROVIDED WHEN AVAILABLE.

IF NO RECORD FOUND OUTPUT WILL BE: 51 NO RECORD FOUND

BLACKLISTED! 411

YOU NEED US? WE'RE HERE FOR YA!

Scam Watch!

"The Social Security Number"

SSA has continually emphasized the fact that the SSN identifies a particular record only and the Social Security Card indicates the person whose record is identified by that number. In no way can the Social Security Card identify the bearer. From 1946 to 1972 the legend "Not for Identification" was printed on the face of the card. However, many people ignored the message and the legend was eventually dropped. The social security number is the most widely used and carefully controlled number in the country, which makes it an attractive identifier.

With the exception of the restrictions imposed on Federal and some State and local organizations by the Privacy Act of 1974, organizations requiring a unique identifier for purposes of controlling their records are not prohibited from using (with the consent of the holder) the SSN. SSA records are confidential and knowledge of a person's SSN does not give him user access to information in SSA files which is confidential by law.

Many commercial enterprises have used the SSN in various promotional efforts. These uses are not authorized by SSA, but SSA has no authority to prohibit such activities as most are not illegal. Some of these unauthorized uses are: SSN contests; skip-tracers; sale or distribution of plastic or metal cards; pocketbook numbers (the numbers used on sample social security cards in wallets); misleading advertising; commercial enterprises charging fees for SSN services; identification of personal property.

The Social Security Number (SSN) is composed of 3 parts, XXX-XX-XXXX, called the Area, Group, and Serial. For the most part, (there are exceptions), the Area is determined by where the individual APPLIED for the SSN (before 1972) or RESIDED at time of application (after 1972). The areas are assigned as follows: (see table to right)

As the Areas assigned to a locality are exhausted, new areas from the pool are assigned. This is why some states have non-contiguous groups of Areas.

The Group portion of the SSN has no meaning other than to determine whether or not a number has been assigned. SSA publishes a list every month of the highest group assigned for each SSN Area. The order of assignment for the Groups is: odd numbers under 10, even numbers over 9, even numbers under 9 except for 00 which is never used, and odd numbers over 10. For example, if the highest group assigned for area 999

is 72, then we know that the number 999-04-1234 is an invalid number because even Groups under 9 have not yet been assigned.

The Serial portion of the SSN has no meaning. The Serial is not assigned in strictly numerical order. The Serial 0000 is never assigned.

Before 1973, Social Security Cards with pre-printed numbers were issued to each local SSA office. The numbers were assigned by the local office.

In 1973, SSN assignment was automated and outstanding stocks of pre-printed cards were destroyed. All SSNs are now assigned by computer from headquarters. There are rare cases in which the computer system can be forced to accept a manual assignment such as a person refusing a number with 666 in it.

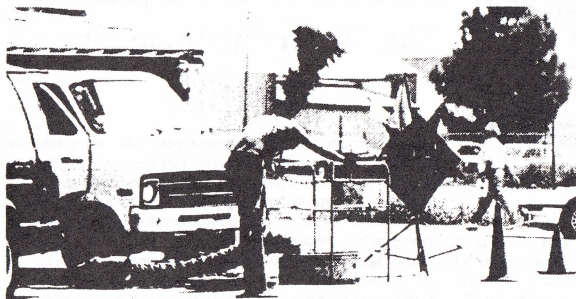
A pamphlet entitled "The Social Security Number" (Pub. No. 05-10633) provides an explanation of the SSN's structure and the method of assigning and validating Social Security numbers.

000 unused	247-251 SC	449-467 TX	530 NV
001-003 NH	252-260 GA	468-477 MN	531-539 WA
004-007 ME	261-267 FL	478-495 IA	540-544 OR
008-009 VT	268-302 OH	486-500 MO	545-573 CA
010-034 MA	303-317 IN	501-502 ND	574 AK
035-039 RI	318-361 IL	503-504 SD	575-576 HI
040-049 CT	362-386 MI	505-508 NE	577-579 DC
050-134 NY	387-399 WI	509-515 KS	580 Virgin Is.
135-158 NJ	400-407 KY	516-517 MT	581-584 PR
159-211 PA	408-415 TN	518-519 ID	585 NM
212-220 MD	416-424 AL	520 WY	586 Pacific Is.
221-222 DE	425-428 MS	521-524 CO	587-588 MS
223-231 VA	429-432 AR	525 NM	589-595 FL
232-236 WV	433-439 LA	526-527 AZ	596-599 PR
237-246 NC	440-448 OK	528-529 UT	600-601 AZ

602-626 CA
 627-699 unassigned, for future use
 700-728 Railroad workers through 1963, then discontinued
 729-899 unassigned, for future use
 900-999 not valid SSNs, but were used for program purposes when State aid to the aged, blind and disabled was converted to a Federal program administered by SSA.

The Phone Tap!

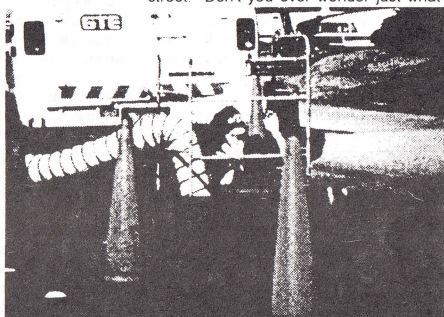
What ARE They Doing Down There?



the heck they're doing down there? Everywhere you go, there they are with that big snake like thing, usually orange in color, emerging from the hole. You'd think some poor sucker got stuck with sewer cleaning duty. But that's not the case.

That funny looking orange snake is actually a ventilation supply for the workmen, who are troubleshooting some problem or installing new equipment for the phone company down there. There is more than just sewage, water, and gas lines underneath our metropolis, there are also telecommunication access tunnels winding their way below the asphalt we drive upon.

What we see here on this page are a few examples of daily sightings of this phenomenon. The first picture located at the top of the page shows some workmen doing their daily task of wiping green grimes off the walls of expensive telephone routing equipment. If you'll note, the guy standing there looking down into oblivion is hesitant to journey into the pit of telephone hell. Aren't you glad you're not him? Maybe if the Teenage Mutant Ninja Turtles were around he'd be more willing to venture where few have gone before. (Remember Alligator?) In the next picture you'll notice a woman crawling out. What a concept! (haha) This goes to show you that our beloved phone company (no names mentioned... but if you look at the picture you might notice one) IS, in fact, an equal opportunity employer. If you can stand up, close your eyes and jump down into one of these holes, YOU'RE HIRED!!! (haha) But seriously, it's nice to know that the phone company has no problems with gender when it comes to this kind of work. (regardless of gender, there's no way in hell you'd ever catch me down there!) The third picture shows another phone company van parked next to another one of these holes. Kinda looks like it's got its tongue stuck down there, huh? Maybe they ARE cleaning something up down there. Anyway, someone is obviously working on more equipment. The question is,

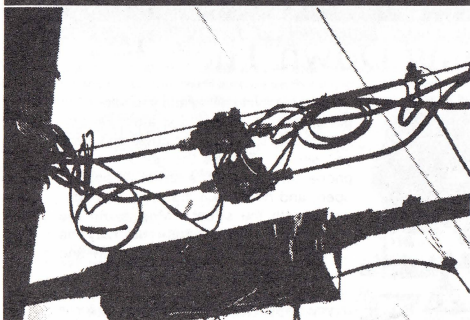


are they really down there or are they just relaxing in the back of the van? I guess we'll never know. In the last picture we have a real Kodak moment. This guy could be doing any one of several things. He could be calling his wife to make sure she's not cheating on him. He could be ordering some food to go. Maybe he's even sneaking in a call to a 900 number service!!! Actually, he's most likely talking to one of his buddies making plans for watching Monday Night Football at the local pub after they get off work. Either that or he's calling for help!

In all seriousness, folks, there are subterranean passageways underneath nearly all metropolitan areas where main trunk lines are located for all the phones in a particular area. These tunnels are damp and at times a set of wires will open cutting service to a customer. In order to fix this someone has to go down and search for the faulty wires. Other times the phone companies have decided it's time for new equipment. They are upgrading all the time in order to maintain a quality of service. (??) Some areas are even upgrading to the new fiber optic systems that should take us into the 21st century. I wonder just how reliable their equipment really is if they're down there all the time.



Look! Up in the sky!
It's a bird! It's a plane!
No, it's a cable access
port!



They're all around us! Everywhere you look, you'll find those damn utility (telephone) poles! Located near the top of the pole, you will find power lines, telephone lines, a few pigeons taking turns at dumping their "gifts" on passers by and, most likely, if you're not in some completely backwards

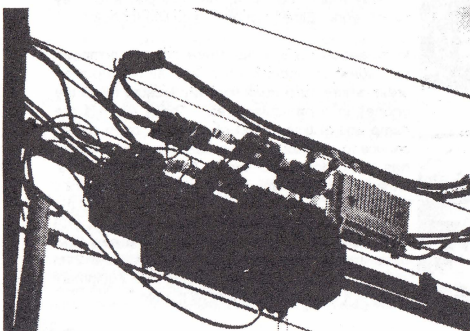
place out in the middle of BFE, you'll see CABLE lines on the pole, just above the telephone lines. Most people never bother to notice these utility poles all around us! They're really interesting, if you'll take the time to look one over very closely. The first picture we have here shows us a couple of things. In the bottom of the picture, there's a telephone access point. This is the place where phone service to your home will be connected to. Crack one of these puppies open and you'd see a million possibilities! Well, not a million, but it would overwhelm you seeing the telephone spaghetti inside of these things. Sometimes, you might find two or possibly three of these telephone lines located on a set of utility poles. With the 90's comes the need for MORE phone lines. The phone companies have a very difficult time keeping up with this new Information Era we're living in now.

Above the telephone access line, you'll find the cable access ports. They are side by side in this picture, which tells us something important. Where this picture was taken, the local cable company has provided TWO cable lines, most likely referred to as "A and B side." What this means is that the cable company is not only providing one line of cable service, but TWO. With two cable lines means MORE channels capable of being delivered into the customers home. The picture is a little dark, but from what we can make out, it appears that at least two customers are receiving service from this access point. It's really very simple how cable is delivered into the home. The cable office is basically where the service comes from. (we won't get into how THEY get the programming...we'll do that in another story.) Now, imagine this. The cable company is the starting point. They have cables connected at this point and they are simply routed all around their service area. To keep the signal nice and strong, they include line-amps along the cable line every so often. Now, when the cable reaches a potential subscriber area, such as a residential area or a mainstream business area, they pop some access ports along the line, so the lowly cable installer can connect cable service when called upon. It's much like a "tap" or a "splitter"...the signal is more or less "split" or "tapped" off the main line and run down to the customers location.

This is why it is very difficult for the cable companies to keep theft of service down to a minimum. The signal is very easy to steal. Once you have the signal down to your place, it's yours to play with. Be aware, though. The cable companies claim they will prosecute anyone who violates the theft of cable service law. But, in all reality, it's VERY difficult for them to PROVE that you're responsible for stealing their service. Most of the larger cable service companies have a small (or LARGE) department within their ranks, called "audit"... their job is to go around each day, checking lines against a master listing of subscribers...In essence, they're trying to locate anyone receiving cable service who should not be. If such a finding is made, they will jump up and down and try to scare the crap out of you. Haha... What normally happens is they either disconnect it and forget about it, disconnect it and try to bill you for it, leave it alone and let you know you owe them money and continue the service or they sometimes get really nasty and tell you they'll send you to collections and possibly prosecute you for theft of service. But we all know they can't do anything without proof! And then finding out you have cable when you should not have cable is NOT proof. Hey, maybe the person who lived there before you hooked it up.....or maybe the cable man forgot to disconnect the cable when you had it cancelled. Who knows.... They need more than a connection to do anything. If you are billed for cable when you are NOT a subscriber, do NOT pay them! Hey, you didn't do it, so let them know and tell them that you REFUSE to pay them! They can't do anything about it.....and, within a few months you'll be receiving the usual "Try our cable with FREE installation" sales literature once again.

We get a kick out of the cable companies, really. We've seen a lot. We've heard a lot. We've done a lot. We know a lot. Remember, knowledge is the key, folks. If you're armed with the knowledge of what you're dealing with, you're more likely to come out ahead when confronted with an angry cable representative. Ok, let's talk about the ports a bit more. Sorry, we're always getting sidetracked around here. Hahahaha. The picture below shows us pretty much the same amount of hardware

as the one above, but in this one, there's a line amp. as well. It's the big silver (white) box located near the bottom right of the picture. Normally, the ports themselves are capped off with a security termination screw on lock, to keep people like.....us.....from attaining cable free of charge. The tool to remove this can be bought from any number of sources. We suggest looking in the back of any electronics magazine. We see them for sale all the time. Heck, we might even own a set. Heh.... It's just like hooking up an antenna. Once the termination screw-on lock has been removed, the connection is made with a 75-ohm F-type connector and the line is run down to the set (or cable box) where the service may then be viewed. Some older cable systems employ the use of "filters" to block certain premium channels from subscribers who opt to have only basic service. The removal of these in-line filters gives the curious person the addition of some channels which would otherwise be impossible, short of PAYING for



Wait a second...did you hear that?

Most Central Office (CO) eavesdropping intercepts in a Bell Operating Company (BOC) CO are today performed using a modified Metallic Facility Termination (MFT) circuit pack which places about a 100,000 ohm isolated bridging impedance across the subscriber line. Supervisory signaling is detected on the subscriber loop using a high-impedance electronic circuit, and the signaling is repeated in an isolated fashion using the A and B leads of the repeating coil in the MFT to "reconstruct" a CO line for the benefit of monitoring apparatus.

The entire purpose of the above effort is to prevent any trouble or noise on the intercept line or monitoring apparatus from causing any trouble, noise or transmission impairment on the subject line.

Some BOCs may elect to use service observing apparatus to provide the necessary isolation and repeated loop supervisory signaling. Less common are locally engineered variations which merely use an isolation amplifier from an MFT or other 4-wire repeater, and which provide no repeated supervisory signaling (which is not all that necessary, since voice-activated recorders and DTMF signaling detectors can be used, and since dial pulses can be counted by playing a tape at slow speed).

Today, the use of a "bridge lifter" retardation coil for the purpose of connecting an eavesdropping intercept line is virtually non-existent since they do not provide sufficient isolation and since they provide a fair amount of insertion loss without loop current on the "observing" side. Bridge lifter coils are primarily intended for answering service intercept lines, and consist of a dual-winding inductor which passes 20 Hz ringing and whose windings easily saturate when DC current flows. Bridge lifter coils are used to minimize the loading effect (and consequent transmission impairment) of two subscriber loops on one CO line. Bridge lifter coils provide a significant insertion loss at voice frequencies toward the idle loop, i.e., the loop in use will have DC current flow, saturating the inductor, and reducing its insertion loss to 1.0 dB or less.

Despite gadget advertised in magazines like The Sharper Image, the simple truth of the matter is that there is NO WAY for any person using ANY type of apparatus at the telephone set location to ascertain whether there is properly installed eavesdropping device connected across their line in the CO. The only way such a determination can be made is through the cooperation of the telephone company.

For that matter, there is virtually no way for any person using any type of apparatus in their premises to ascertain if there is ANY type of eavesdropping apparatus installed ANYWHERE on their telephone line outside their premises, unless the eavesdropping apparatus was designed or installed in an exceptionally crude manner (not likely today). Some types of eavesdropping apparatus may be located, but only with the full cooperation of the telephone company.

The sole capability of these nonsense gadgets is to ascertain if an extension telephone is picked up during a telephone call, which is hardly a likely scenario for serious eavesdropping.

These screw-in-the-handset gadgets work by sensing the voltage across the carbon transmitter circuit, and using a control to null this voltage using a comparator circuit. When a person makes a telephone call, the control is adjusted until the light just goes out. If an extension telephone at the user's end is picked up during the call, the increased current drain of a second telephone set will decrease the voltage across the carbon transmitter circuit, unbalancing the voltage comparator circuit, and thereby causing the LED to light.

These voltage comparator "tap detectors" cannot even be left with their setpoint control in the same position, because the effective voltage across a subscriber loop will vary depending upon the nature of the call (except in the case of an all digital CO), and upon other conditions in the CO. Electromechanical and analog ESS CO's may present different characteristics to the telephone line, depending upon whether it is used at the time of. An originated intraoffice call (calling side of intraoffice trunk), an answered intraoffice call (called side of intraoffice trunk), an originated tandem call (interoffice tandem trunk), an originated toll call (toll trunk), or an answered tandem/toll call (incoming tandem or toll trunk). There is usually enough variation in battery feed resistance due to design and component tolerance changes on these different trunks to cause a variation of up to several volts measured at the subscriber end for a given loop and given telephone instrument.

Even more significant are variations in CO battery voltage, which can vary (within "normal limits") from 48 volts to slightly over 52 volts, depending upon CO load conditions. 50 to 51 volts in most CO's is a typical daily

variation. If anyone is curious, connect an isolated voltage recorder or data logger to a CO loop and watch the on-hook voltage variations; in many CO's the resultant voltage vs 24-hour time curve will look just like the inverse of a busy-hour graph from a telephone traffic engineering text! In some all-digital CO apparatus, the subscriber loop signaling is performed by a solid-state circuit which functions as a constant-current (or current-limiting) device. With such a solid-state circuit controlling loop current, there is no longer ANY meaningful reference to CO battery voltage; i.e., one cannot even use short-circuit loop current at the subscriber location to even estimate outside cable plant resistance.

To explode this myth even further, let's do a little Ohm's Law:

1. Assume a CO loop with battery fed from a dual-winding A-relay (or line relay, ESS ferrod line scanner element, or whatever) having 200 ohms to CO battery and 200 ohms to ground.
2. Assume a CO loop of 500 ohms (a pretty typical loop).
3. Assume an eavesdropping device with a DC resistance of 100,000 ohms (this is still pretty crude, but I'm being generous with my example).
4. Using some simple Ohm's law, the presence or absence of this hypothetical eavesdropping device at the SUBSCRIBER PREMISES will result in a voltage change of less than 0.5 volt when measured in the on-hook state. This voltage change is much less than normal variations of CO battery voltage.
5. Using some simple Ohm's law, the presence or absence of this hypothetical eavesdropping device at the CENTRAL OFFICE LOCATION will result in a voltage change of less than 0.2 volt when measured in the on-hook state. This voltage change is an order of magnitude less than the expected normal variation of CO battery voltage!

Measuring voltage variations on a subscriber loop in an effort to detect a state-of-the-art eavesdropping device is meaningless, regardless of resolution of a voltage measuring device, since the "signal" is in effect buried in the "noise".

Moving on to the subject of subscriber line impedance...

There is simply no way for any device located on the subscriber's premises to obtain any MEANINGFUL information concerning the impedance characteristics of the subscriber loop and whether or not anything "unusual" is connected at the CO (or for that matter, anywhere else on the subscriber loop). There are a number of reasons why this is the case, which include but are not limited to:

1. The impedance of a typical telephone cable pair results from distributed impedance elements, and not lumped elements. Non-loaded exchange area cable (22 to 26 AWG @ 0.083 uF/mile capacitance) is generally considered to have a characteristic impedance of 800 ohms (it actually varies, but this is a good compromise figure). Loaded exchange area cable, such as H88 loading which are 88 mH coils spaced at 6 kft intervals, is generally considered to have a characteristic impedance of 900 ohms (it actually varies between 800 and 1,200 ohms, but 900 ohms is generally regarded as a good compromise figure for the voice frequency range of 300 to 3,000 Hz). What this means is that a bridged impedance of 100,000 ohms located in the CO on a typical subscriber loop will result in an impedance change measured at the SUBSCRIBER LOCATION of 0.1% or less. That's IF you could measure the impedance change at the subscriber location.
2. As a general rule of thumb, the impedance of an exchange area telephone cable pair changes ONE PERCENT for every TEN DEGREES Fahrenheit temperature change. Actual impedance changes are a function of the frequency at which the impedance is measured, but the above rule is pretty close for the purposes of this discussion.
3. Moisture in the telephone cable causes dramatic changes in its impedance characteristics. While this may appear obvious in the case of pulp (i.e., paper) insulated conductors, it is also characteristic of polyethylene (PIC) insulated conductors. Only gel-filled cable (icky-PIC), which still represents only a small percentage of installed cable plant, is relatively immune from the effects of moisture.
4. From a practical standpoint, it is extremely difficult to measure impedance in the presence of the DC potential which is ALWAYS found on a telephone line. The subscriber has no means to remove the telephone

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pair from the switching apparatus in the CO to eliminate this potential. Therefore, any attempt at impedance measurement will be subject to DC current saturation error of any inductive elements found in an impedance bridge. The telephone company can, of course, isolate the subscriber cable pair from the switching apparatus for the purpose of taking a measurement – but the subscriber cannot. In addition to the DC current problem, there is also the problem of impulse and other types of noise pickup on a connected loop which will impress errors in the impedance bridge detector circuit. Such noise primarily results from the on-hook battery feed, and is present even in ESS offices, with ferret scanner pulses being a good source of such noise. While one could possibly dial a telephone company "balance termination" test line to get a quieter battery feed, this still leaves something to be desired for any actual impedance measurements.

5. Devices which connect to a telephone pair and use a 2-wire/4-wire hybrid with either a white noise source or a swept oscillator on one side and a frequency-selective voltmeter on the other side to make a frequency vs return loss plot provide impressive, but meaningless data. Such a plot may be alleged to show "changes" in telephone line impedance characteristics. There is actual test equipment used by telephone companies which functions in this manner to measure 2-wire Echo Return Loss (ERL), but the ERL measurement is meaningless for localization of eavesdropping devices.

6. It is not uncommon for the routing of a subscriber line cable pair to change one or more times during its lifetime due to construction and modification of outside cable plant. Outside cable plant bridge taps (not of the eavesdropping variety) can come and go, along with back taps in the CO to provide uninterrupted service during new cable plant additions. Not only can the "active" length of an existing cable pair change by several percent due to construction, but lumped elements of impedance can come and go due to temporary or permanent bridge taps.

The bottom line of the above is that one cannot accurately measure the impedance of a telephone pair while it is connected to the CO switching apparatus, and even if one could, the impedance changes caused by the installation of an eavesdropping device will be dwarfed by changes in cable pair impedance caused by temperature, moisture, and cable plant construction unknown to the subscriber.

About a year ago on a bulletin board I remember some discussions in which there was mention of the use of a time domain reflectometer (TDR) for localization of bridge taps and other anomalies. While a TDR will provide a rather detailed "signature" of a cable pair, it has serious limitations which include, but are not limited to:

1. A TDR, in general, cannot be operated on a cable pair upon which there is a foreign potential; i.e., a TDR cannot be used on a subscriber cable pair which is connected to the CO switching apparatus.

2. A TDR contains some rather sensitive circuitry used to detect the reflected pulse energy, and such circuitry is extremely susceptible to noise found in twisted pair telephone cable. A TDR is works well with coaxial cable and waveguide, which are in effect shielded transmission lines. The use of a TDR with a twisted cable pair is a reasonable compromise provided it is a single cable pair within one shield. The use of a TDR with a twisted cable pair sharing a common shield with working cable pairs is an invitation to interference by virtue of inductive and capacitive coupling of noise from the working pairs.

3. Noise susceptibility issues notwithstanding, most TDR's cannot be used beyond the first loading coil on a subscriber loop since the loading coil inductance presents far too much reactance to the short pulses transmitted by the TDR. There are one or two TDR's on the market which claim to function to beyond ONE loading coil, but their sensitivity is poor.

There is simply no device available to a telephone subscriber that without the cooperation of the telephone company which can confirm or deny the presence of any eavesdropping device at any point beyond the immediate premises of the subscriber. I say "immediate premises of the subscriber" because one presumes that the subscriber has the ability to isolate the premises wiring from the outside cable plant, and therefore has complete inspection control over the premises wiring.

I have used the phrase "without the cooperation of the telephone company" several times in this article. No voltage, impedance or TDR data is meaningful without knowing the actual circuit layout of the subscriber loop in question. Circuit layout information includes such data as exact length and gages of loop sections, detailed description of loading (if present), presence and location of multiples and bridge taps, calculated and measured resistance of the loop, loop transmission loss, etc. There is NO way that a telephone company is going to furnish that information to a subscriber! Sometimes it's even difficult for a government agency to get this information without judicial intervention.

Despite what I have stated in this article, you will see claims made by third parties as to the existence of devices which will detect the presence of telephone line eavesdropping beyond the subscriber's immediate premises. With the exception of the trivial cases of serious DC current draw by an extension telephone or the detection of RF energy emitted by a transmitter, this just ain't so. Companies like Communication Control Corporation (which advertises in various "executive" business publications) get rich by selling devices which claim to measure minute voltage and impedance changes on a telephone line – but consider those claims in view of the voltage changes due to CO battery variations and due to temperature changes in outside cable plant – and you should get the true picture.

HACKERS FORUM

MODIFICATIONS FOR THE PRO-37

First of all, what modifications are possible?

The PRO-37 uses a diode array to tell its microprocessor what model it is, and thus which frequency bands to allow and what channel spacing to use. European and Australian models have full 800 Mhz coverage (at an unknown channel spacing) and a VHF-Mid band (68-88 Mhz) rather than a VHF-Low band (30-54 Mhz).

The Canadian and US models differ in the amount of care taken to reduce EMI. The Canadian model has additional screening, and one or two other minor component additions to achieve this. Therefore, if you have the choice, the Canadian model is preferable to the US model.

Changing from VHF-Low to VHF-Mid band coverage requires many component value changes (and realignment of the appropriate RF stage). Given that the PRO-37 uses SMT technology, it's not worth trying. (You can change the diode array easily enough, but just don't expect reasonable performance!)

The only sensible (straightforward) modification is the restoration of full 800 Mhz coverage on Canadian and US models. The ranges restored appear with a 30kHz channel spacing - which just happens to coincide with the N. American cellular telephone channel spacing. A remarkable coincidence.

The modification described is therefore applicable **ONLY** to Canadian and US models. (European and Australian readers could always remove 800 Mhz coverage if they wished.

You will need:

Soldering iron with a fine point. (The components desoldered and soldered are not SMT, but)

Desoldering tool to remove excess solder.

Phillips screwdriver, if it fits the screws on the back of the case it's the right size.

Small pliers for bending component leads while unsoldering and removing hexagonal posts.

Grounding wrist strap strongly advisable with CMOS components. (Static can cause premature, if not immediate failure of components). Wear this at all times.

Small screwdriver for prying components etc.

Experience and confidence in working with modern electronics

A couple of hours without interruptions....

Instructions:

1. Remove the battery.
2. Remove the antenna.
3. Pull to remove squelch and volume knobs.
4. Unscrew the 4 screws on the back of the case.
5. Separate the case beginning at the battery end and work over the circuit board and knobs at the top.
6. Unsolder both connections to the antenna - ground can be bent away and the center has a link to the board.
7. Unsolder the two power switch links at the board end.
8. Unsolder the ground connections to the metal shield.
9. Disconnect the two connectors to the squelch and volume controls.
10. Remove the 4 hexagonal posts.
11. The top board may now be removed by separating it gently from the connector on the adjacent board.
12. Remove the 3 screws holding the shield in place.
13. Lift the shield to separate it from the lower control circuit board.
14. Identify diodes D12, D13 on the control board.
15. EITHER cut diode D13 and SKIP to reassembly OR continue to desolder diode.
16. Remove the last two screws and remove the control board. Take care not to dislocate the KEY LOCK switch when doing this.
17. Unsolder screening from side of control board near diode array, and bend back out of way.
18. Unsolder and remove diode D13. Keep it somewhere so that you can replace it if required to do so by US legislation. Reassembly is the reverse of the above procedure.

If you performed steps 16-18 CHECK REALLY CAREFULLY that the metal part of the KEY LOCK switch is in the right location. (Otherwise, you may find yourself having to disassemble the whole thing again - I know, I did!)

NOTES.

1. One must exercise great caution in the procedure. Check that no flakes of solder get dropped on the boards. Take anti-static precautions by doing the work on a mat and wearing a wrist strap. Do not make any adjustments to the upper analogue board or bend any of the other wire links on it, which are tuned circuits.

2. Another caution is that doing any of the work will probably violate any warranty you may have on the scanner. Might be worth burning the scanner in for ~150 hrs before attempting this to reduce the risk of a latent component fault appearing after you have made the modification.

UFO's - What Are They?

by: Brian Vanderkolk

UFO's - Unidentified Flying Objects. I'd say there's probably a 95% or better chance you've heard of the phenomenon. But what are they? Nearly everyone has an opinion on whether they are real or not, yet very few know any details on the subject. Let us examine some of the possibilities.

- Our Imaginations -

In 1947 Brig. Gen. Roger M. Ramey, commander of the 8th Air Force at Fort Worth said that UFO's have been seen in almost every state except Kansas. He then went on to say that Kansas was a dry state, implying only drunkards see UFO's. Certainly many of the persons claiming to see "little green men from Mars" are of questionable integrity, but should we dismiss ALL sightings because of a few rotten apples in the barrel?

UFO folklore is replete with hoaxes by one or a few individuals looking for attention. Some are simply faked photos or photos of familiar everyday objects from unusual angles or lighting conditions. It's said that a picture is worth a thousand words, yet anyone with a moderate knowledge of photography would be able to synthesize a convincing looking picture. Most photographs do not hold up under close scrutiny and computer enhancement.

Other stories are just that. Stories. One or more persons create a false story with amazing characters and events. Why anyone would do this is best left to the psychiatrists. Yet some stories persist because they can be corroborated by other individuals who have no connection with each other. There have been some sightings that involved whole communities. Some events have thousands of witnesses. How do we discredit these stories? Could they be mass hallucinations? Or could thousands of people simultaneously mistake a known or terrestrial phenomenon for something fantastic and otherworldly?

- Extraterrestrial Visitors -

Are they alien spaceships from some other planet in our galaxy? Carl Sagan asks "where is the physical evidence?" That is a very good question. We have already explained the problems with photographic evidence. And why are most photos blurry and distorted? What about where the UFOs land? Some sightings, upon investigation, turn up unusual marks on the ground exactly where the witness said the craft had landed. Some landing marks could be faked but yet others have peculiar properties. Traces of radiation along with the patterns of damage to local foliage make many wonder if something extraordinary did in fact land.

But how do these extraterrestrial craft penetrate our airspace without our knowing it? Some sightings are tracked on local radars. Especially when the witnesses involve military or civilian pilots. Pilots, by nature, have to be keen observers. Many flights are unguided by ground controllers and the pilots must rely on their visual acuity. Usually when a pilot sees a strange object or light they will ask for radar confirmation from ground controllers. Sometimes nothing shows yet other times radar does confirm an unidentified object in the area. Radar has also shown some of the incredible speeds and maneuvers these craft perform. They have been tracked, at times, in excess of 10,000 miles per hour and turning in such a way that it would instantly kill any human pilot!

- Highly Advanced Technology -

Could UFO's simply be some sort of highly advanced exotic aircraft produced by one or more world powers? We have all seen the wonders of the F-117 Stealth Fighter in the 1991 Gulf War. Yet the F-117 became operational nearly ten years earlier, having been kept a secret by our government. And the first test craft, known as 'Have Blue', was first flown in May of 1978. The U-2 spyplane was secret until Francis Gary Powers was shot down over Soviet Russia on May 1, 1960. Yet the U-2 first flew on August 8, 1955. The SR-71 Blackbird, worlds fastest flying aircraft of just over Mach 3.5, first flew as the A-12 in 1962. But the aircraft was not publicly acknowledged until January 7, 1966. The SR-71 fleet was retired in February of 1991 and the military has yet to reveal just how fast the plane can really go, along with other vital secrets.

As can be seen from these examples, our military has a long history of developing highly advanced aircraft without public knowledge. Of course the public is eventually advised of the existence of the aircraft, but usually after ten or so years have passed or some major international incident such as that which happened with the U-2. One must also keep in mind that the technology built into these fantastic planes cannot be aged by the date of first flight. Sometimes as many as ten years of research and development is involved before the first test flight even takes place.

One can only wonder what marvels our military scientists are working on now, of which we probably will not know about for as much as twenty years. What sort of amazing technologies have been developed to allow man to fly higher, faster, and farther than before. Rumors abound about the "Aurora", a radical new craft capable of hypersonics speeds in excess of Mach 5. Many strange vapor trails have been seen in the skies over Southern California, usually described as "donuts on a rope." I myself had by pure chance caught a glimpse of such a vapor trail from my former worksite in Brea, CA. Military aircraft have been a hobby of mine since childhood and I have seen high flying craft leaving a contrail before but this was definitely different and was moving much faster than any I've seen before.

Further evidence of the Aurora are the sonic booms heard in the same areas as the contrail sightings. These shockwaves have even been recorded by seismographs, there being plenty of those in California. Scientists at Caltech were able to plot the path of the sonic booms using the labs computers. The shockwave had a definite direction, towards southern Nevada, possibly towards what is known as Groom Lake, or Area 51.

Groom Lake is located some 85 mile north-west of Las Vegas, Nevada. Until very recently the government denied the existence of the air base. Yet many groups of people who have worked there talk about it. Others hike into the area from dirt roads and photograph it. This base is where many of the spectacular aircraft mentioned previously have been flight tested.

Many UFO investigators propose that Area 51 is where the United States government is flight testing captured flying saucers. Many have seen strange lights in the area and some have photographed them. Could these sightings be real flying saucers from outer space or are witnesses only catching a fleeting glimpse at the next generation of human technology?

- You Decide -

Many books have been written on the subject of UFOs. What I have tried to show here are what I feel are the three major possible explanations. It may even be that the answer is not wholly one idea or another but a combination of several solutions. The phenomenon of UFOs may have an answer so simple that we are overlooking it. What is definitely not in

doubt is that something strange is happening and that it deserves serious examination. This may be just some passing fad or it could be the most important thing to occur in humankind's history. We will never know unless we give it an unbiased look to search for the answers. We must keep an open mind for the truth, for it may be hiding right in front of our noses.

The Marketplace

(Continued from page 29)

LASER RADAR. Construction schematic, technical discussion, easily built, \$7; **RADAR JAMMER**, extremely simple construction circuit, jams X/K bands, \$10; both for \$15. Postpaid, money order please. Surplus Electronics, PO Box, 10009, Colorado Springs, CO 80932.

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Amiga or Bust?

(Continued from page 31)

Many feel the Amiga is a technologically advanced machine with an excellent architecture, yet are predicting the end of the era of the Amiga by the end of 1995.

The holdup concerns users and supporters as to whether Commodore technology has a future. The Amiga, Commodore's flagship computer, is stuck on the back burner while other computer companies are racing to the future. The Amiga computer was once the leader in multimedia technology. But now the makers of Apple and IBM & compatibles have taken over the field.

Constant delays have dashed hopes of Commodore's buy-out although many officials from all sides have been saying that they expect the deal to be signed within the coming weeks. Commodore was incorporated in the Bahamas even though it's North American operations are based in West Chester, Pa. Franklin Wilson, Commodore's chief liquidator has been promising to present the Supreme Court of the Bahamas with a signed deal yet has failed to clinch anything in writing. Colin Proudfoot, a managing director of the U.K. subsidiary and a leader of the buyout effort feels that a resolution is due at any moment yet he also admits that they have been saying that since April, when Commodore announced its intentions to liquidate.

Creative Equipment International appears to be the current winner. Alex Amor, president, met with Wilson to discuss details of the proposed agreement. A deal had been expected by mid-November. Amor said that they should be able to move forward on the buy-out process after negotiating a few points. But even if an agreement had been signed the process would have been far from over. Once an agreement is signed, the liquidator will present the deal to the Bahamian Supreme Court. The court then intends to let other suitors attempt to outbid the apparent winner. No one is clear as to how long that procedure would take.

The reason for the unusual bidding procedure is Commodore's American creditors. They had wanted the bankruptcy proceedings to be conducted in the U.S. Bankruptcy court in New York. The liquidators are assuring the creditors that they will be able to catch the highest possible bid for Commodore's assets, thus keeping the sale in the Bahamas.

CEI planned to hold back on it's bid allowing the UK group to sign an agreement. They would have then been able to see the terms of the deal and bid it in the Bahamian court. However the liquidators had sent a 97-page sales contract to CEI to be signed almost immediately but failed to sign it citing that they were not prepared to act so quickly. Amor is frustrated and saddened by the long delays. He feels that people are going to forget about the Amiga and that when a buyer is finally found they will be left with little next to nothing.

Why the long delays? David Pleasance, of Commodore UK, states that Commodore's assets are so spread out around the world it is taking the liquidators this long just to figure out exactly what is for sale. Yet there has been no explanation as to why Commodore UK cannot finalize a deal themselves.

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